

Pharmacology Notes I  
pp 1-200

**LABORATORY NOTEBOOK**

DOW

# The Shulgin Lab Books

## Pharmacology Lab Notes #1 (1960 - 1976)

### A Bit About This Document:

While undertaking the work of investigating the chemistry and pharmacology of many varied psychoactive substances, Alexander “Sasha” Shulgin kept detailed notebooks. His documentation covered not only on his own personal research, but the research of friends and acquaintances. This book, the first of the “Pharmacology” series, represents mostly sub-acute work-ups of various substances and subjective responses by Shulgin and his research group. It covers the time frame of 1960 to 1976.

### The Creation of This Document:

The project to undertake the transcribing of Shulgin’s Lab Books was started in 2008 by a team of volunteers and staff at Erowid, along with members of Team Shulgin. Various books were transcribed without a clear idea of how to present the information as a final product; eventually this format was chosen and a volunteer began work assembling the document. Each page was painstakingly transcribed from scanned images. All the hand-drawn “dirty pictures” (molecule drawings) and graphs were edited from the original scans and combined with drawn-in marks, outlines, and arrows to form this searchable PDF.

Most of the names in this document have been redacted and pseudonyms put in their place. Names are presented as much as possible as they were in the original book, for example “Robert Thompson” is also “Robert”, “R.Thompson”, and “RT”. Initials are frequently used, and no two people share names or initials so the reader can keep track of who’s who.

Words highlighted in yellow are words that the transcription team could not decipher. If you think you can help us decipher some of these words, please contact [shulginlabbooks@erowid.org](mailto:shulginlabbooks@erowid.org); we would love your help.

This document is intended to resemble the look and feel of the original lab book as much as possible; minor corrections and clarifications have been made to make things easier to read, and to better fit this format. Words created specifically by Shulgin remain as found, for example: “Tooth-rubby” to describe bruxism. Shulgin uses some shorthand throughout this book; the only shorthand we have made an effort to clarify is the use of the letter “c” with a dash above it (from the Latin word cum, meaning “with”), which had been replaced by “[with]”. Other common shorthand to note: ∴ is “therefore”, ≅ is “approx. equal to”, ≡ is “identical to”, and ≅ is “equivalent to”. Bold text represents typewritten documents that were pasted into the lab book by Shulgin, and bold italic text represents handwritten documents pasted into the book that are not in Shulgin’s handwriting. All other text is Alexander Shulgin’s.

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Project Lead: Plutonic

Transcription Team: Jick Magger, Kaw71, Kernel, Lizardphunk, Bananaskin, Plutonic, Henryaj

Image Editing/Redacting/PDF Assembly: Plutonic

Team Shulgin: Sasha & Ann, Paul Daley, Tania & Greg Manning

Erowid: Earth, Fire, Spoon, Jon Hanna

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Notebook closed, July, 1979

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1483 Shulgin Rd

Lafayette. Calif. 94549

(415) 934.4930

reward for return

ADDRESSES TO KEEP

Andrew French	
{ DEPT. OF ANTHROPOLOGICAL MEDICINE	{ INSTITUTE OF PERSONALITY ASSESSMENT
{ ESCUELA DE MEDICINA	{ AND RESEARCHES
{ UNIV. OF CHILE	{ 2240 PIEDMONT AVE
{ SANTIAGO	{ BERKELEY.

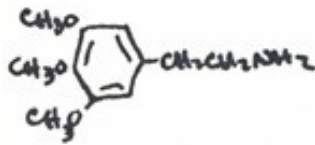
{ Robert Thompson
{ 1044 SILER PLACE
{ BERKELEY S CALIF.

Martin Brady	
{ INSTITUTE OF SOCIAL & PERSONAL RELATIONS .	{ 215 VALLEY VIEW DRIVE
{ 2903 TELEGRAPH AVE.	{ PETALUMA
{ BERKELEY	

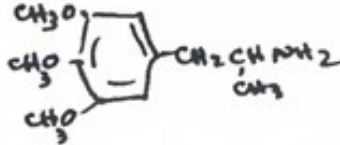
Henry Brock	
{ INSTITUTE OF MEDICAL SCIENCES.	{ Dept. of MENTAL HYGIENE
{ EYE RESEARCH INSTITUTE	{ 3330 Geary Blvd. SF
{ 2200 Webster. SF	

Common Names within Groups  
and Potency IN mescaline units ( )

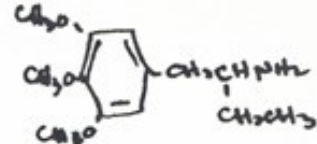
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MESCALINE (1.0)

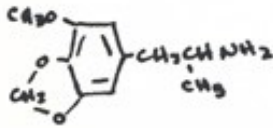


TMA (2.2)

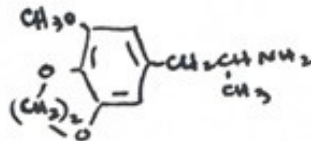


AEM

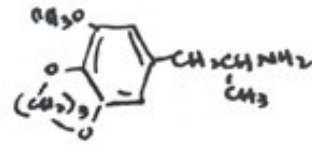
Cyclics:



MMDA (2.7)

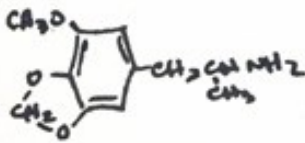


MEDA

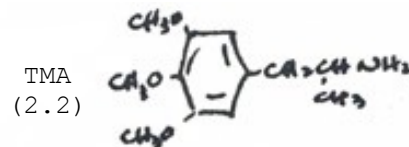


MTDA

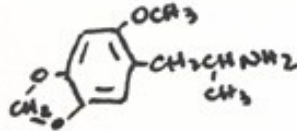
Isomers:



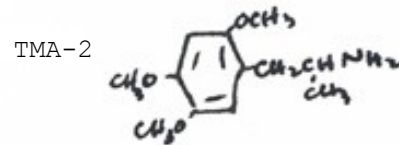
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(2.7)



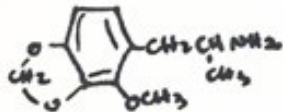
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(2.2)



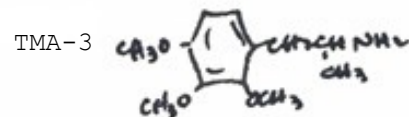
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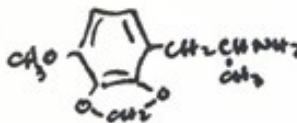
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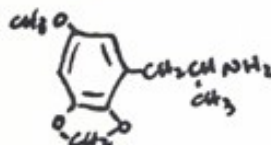
MMDA-3a



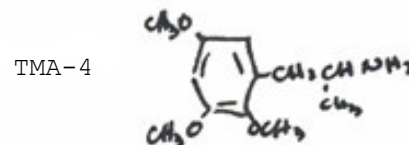
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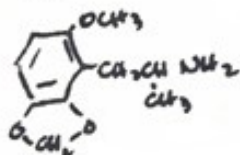
MMDA-3b



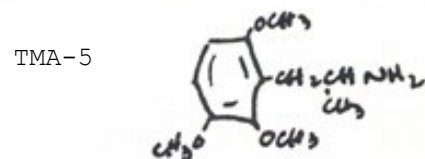
MMDA-4



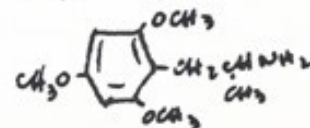
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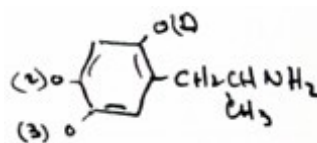
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EMM

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## Subjective response to Mescaline.

4/18/60

Date 4/16/60 Subject ATS. Observer DP.

DOSE 0.400 g mescaline sulfate in water - preceded by  
0.050 g marezine one hour earlier. Slight bitter  
taste - not unpleasant.

CHRONOLOGY After 0.5 hrs. noticeable intoxication - 0.7 hrs  
first nausea successfully combated - at 1.3 hrs  
end of nausea - comfortable - slight speech  
difficulty - 1.5 hrs. first signs of movement and  
color distortion - 3.0 hrs. drug effect at maximum  
and remains there until 4.0 to 5.0 hrs. At 6.0  
hrs - first noticeable signs of clarity from drug effects -  
at 8.0 hrs - only slight symptoms remain - essentially  
normal. Next day (24 hrs.) still occasional color  
intensification's but these are very difficult to  
objectively distinguish from normal responses.

HALLUCINATIONS Eyes open:- none - neither the strict  
definition of a hallucination being a synthetic  
illusion or vision generated without recourse to  
real or tangible stimuli. There was certainly  
visual distortion, q.v.

Eyes closed:- world of motion and color -  
generation of ex-centrally evolving clouds in  
intense color usually evolving from darker  
shades of blue and purple through green or  
red-green to lighter shades of pinks and  
reds. Also geometric patterns, either in the  
form of colored wedges of light (usually  
passing from left to right) or in rectangularly  
symmetrical shapes, often with erotic suggestions.  
Photic stimulation did not seem to be helpful.  
Towards the end of the drug's effect, occasional  
fields of color were noticeable, without appreciable  
motion or meaning.

VISUAL DISTORTION In general very noticeable after the first 1 1/2 hrs to about 5.0 hrs. v.i. .

——> DEPTH PERCEPTION Distances between objects are incorrectly judged. In riding as a passenger in a car, the illusion that the buildings alongside the street, and the sidewalks, are crowding down on top of you, is remarkable. One tends to lean away from objects on either side, so as to try to compress yourself into a narrow space out of harm's way. Errors in judgment are on the conservative side so that danger is automatically avoided by an overly large margin. In viewing an abstract painting, the depths of paint applications becomes apparent (undoubtedly incorrectly) as if each color had been applied on a separate overlay of glass, and the entire picture assumes a three dimensional aspect that seems to expose the techniques of the artist..... There is also a remarkable increase in textural and detail perception—textures become rich in detail, and one can discern fine structural detail of nearly microscopic materials (apparently accurately, as verified by revisiting and reviewing objects seen). The villi of leaves and flowers are seen in revealing detail, without effort.

——> MOTION PERCEPTION Very striking. Both inanimate and animate objects (although motionless) may be seen to be in rapid and continuous motion. It seems to be impossible to anticipate which objects will be seen next in motion. Peoples faces may seem to distort and crawl into different shapes. A person leaning upon a car will cause the car to be pushed rapidly into the ground. On closer inspection, the car which is rapidly descending into the ground is of course not moving, but



the wheels are rotating in a direction which resists the cars descent. This all seems real, continuous and logical. Watching the leaves of a plant from a distance, when the sun moves so as to fall on them, they appear to raise themselves continuously towards the sun. As they fall into shade, their upwards motion is replaced with a downwards curling, continuous, as if to knot into a ball. Closer inspection shows that they have, of course, not knotted, but are actively knotting. The concept of continuous motion is not contradictory with the observation that after a prolonged period of observation, they are indeed in essentially the same position, but still knotting.

- > COLOR PERCEPTION Most striking. The slightest differences in shade may be (need not be) amplified to extreme contrast. Many subtle hues become nearly phosphorescent in intensity. Saturated colors are often unchanged, but are surrounded with cascades of new colors tumbling over the edges. Intensification in color, rather, the easily observed differences in shades, is a remarkable reward for driving or walking through the country.
- > TIME PERCEPTION Noticeable. Subjective time is lengthened. What seems like a half-hour of contemplation or observation occupies only perhaps five minutes. The radio seems to be lower pitched, and almost casual or indifferent in its content.
- > INTERPRETATION During the initial phase of intoxication (2-3 hrs) everything seemed to have an humorous interpretation. Peoples faces are in caricature, small cars seem to be chasing

larger cars - all the cars coming towards me seemed to have faces. One would seem to look like a duchess, moving in regal pomp - another would be a wisened old man running away from someone.

#### PHYSICAL COORDINATION

There is apparently no great decrease in physical coordination. An attempt was made to drive the car (on a relatively untraveled road, Grizzly Peak Blvd.) which was successful, except for an extreme conservatism and caution. In the event of a challenging situation (approaching car simultaneous with a horse-back rider on the right) the car was brought nearly to a stand-still to permit the unsolvable problem resolve. The overall effort was unpleasant, as one was forced to withdraw from the effects of the drug (adrenalin?) and there was perhaps a 15-20 minute period afterward required for the effectiveness to again take control. One prefers to observe, not participate in the surrounding world.

One occasion, while descending a rather steep path, I chose to reverse my direction, and executed a turn and climb, on loose and steep dirt, with completely sober ability. It would seem that in the event of necessary action or self-defense - one could and would muster nearly full coordination.

During the intoxication phase, there is some speech distortion (similar to alcohol). This effect seemed to last well into the recovery stage.

Continued from [page \[1\]](#).

4/18/60

#### MENTAL COORDINATION

Here there is a considerable distortion. Philosophical problems seem to admit simple and rather obvious solutions. One does not wish to dwell for long on any one concept, however. It is possible to discuss ones thoughts with the observer, but it seems that the observer is merely tolerating your ideas, but does not follow your reasoning. It is preferable to consider them quietly. There was observed an extraordinary dissociation of mind and body. One can look out over the land-scape and travel along the line of sight. The body takes care of itself as far as moving is concerned. To swing ones eyes around the horizon makes one giddy, due to the rapid motion. The body seems incidental while the mind is borne on the line of sight, but the basic sympathy for it (detached) requires that you do not allow it to come to harm. Self-harm is a real possibility however, through inadvertent walking into hazardous areas. It also is very difficult to concentrate on outside conversations. Ones now thoughts and observations are too extreme and important - one tends instead to stare at the speaker - his colors, expressions, details.

#### MENTAL ATTITUDE

One of the most startling effects of this drug is the extreme empathy felt for all small things - a stone, a flower, an insect. I believe that it would be impossible to harm anything during the effect, and to commit an overt harmful or painful act upon anyone or anything is beyond ones capabilities. One cannot pluck a

Continued from page [1].

4-18-60

flower - and even to walk upon a gravel path requires one to pick his footing carefully to avoid hurting or disturbing the stones.

One tends to feel extremely conspicuous in a large group of people, although according to the observer, ones behavior is quite proper although a little cautious or reserved. As to mental motivation one is content to observe at length, to contemplate nature in detail, and so to be somewhat recluse, withdrawn, and unsociable.

#### GENERAL COMMENTS

The overall effect is very pleasant - the desire is strong to repeat the experiment on both smaller doses (to perhaps permit one to be alone in safety) and on larger doses. Also to repeat the experience under a variety of external stimuli - with music available for contemplation - at the beach - at night. There is complete recall of all experiences and thoughts, after the drug has been dissipated. The feeling of comfort, introspection, and tranquility that remains after wards may indeed have an effect days after the treatment. One feels that this feeling may be prolonged and further enjoyed upon repeated usages. Such a change would be most desirable in many personalities - and may bespeak a therapeutic value for the drug in cases of anxiety and tension

## Mescaline -

Here - eventually - basis of M.U. calculation - but for now a tally on M.use..

3/19/67 R. Nash - 400 mg - minor - took 2 hr earlier.

3/19/67 Jacky ? D.I? - 400 mg - color-effective - Both [with] **TSR**- MDA. q.v.

12/4/76 Colin, Brent 250 mg each - supplement at [2:30] [with] 50 mg ->Σ 300 mg. both [with] introduction of 100mg MDMA on 11/24/76 for window definition. Touch - stones. Robert call- no show- Jewel lake - driving miss-turning; Colin & I walking to hill top f. house (Marin Ave). To U.C. Campus. Drummers - bazaar marketplace- sandwich & ice cream in **Dir?ih**, secure [with] music at [10:00] - later Robert supports to [15:00].

- +++ 1/21/77 ATS 300mg [with] 5 mCi <sup>14</sup>C 10:30AM=[0:00] [0:45] no nausea - but 1st effects [1:00] -can make things move if I wish [2:30-4:30] intense conversation and teaching session [with] U. Great enhancement of hypnotism - twice - saving in non-verbal efforts. At [7:00] drove home with care - no problems. [9:00] still elated - young feeling - clean feeling. Slept with out problems at about [12:00]. Urine samples collected through 48 hrs.
- 1/28/77 ATS 58 mg 5 mCi <sup>14</sup>C 1:25PM collect urine samples- n.e.
- 2/5/77 ATS 20 mg 5 mCi <sup>14</sup>C 11:15AM collect urine samples- n.e.
- 2/17/77 ATS 50 mg 12:45PM. n.e.
- ± 3/2/77 ATS 100 mg 9:30AM. At [1:00] sl.lite head - all afternoon trace starry. Probably n.e.
- ± 3/4/77 ATS 200 mg 9:30AM [2:30] some awareness of sparkle [4:30] trace of hypnotic feel in eyes. Certainly no more than threshold.
- ++ 9/18/77 ATS 400 mg + 5 mCi <sup>14</sup>C 11:15AM=[0:00] [0:45] slightest alert - nice [1:00] no nausea at all- still only the slightest alert [1:30] somewhat more - no window whatsoever. - to + [3:00] a trip (eyes closed) to infancy - JI & JTI [with] elephant trunks -ægrandmother, marbles, diapers [4:15] straightening out - to Ashley's - [10:00] -out - light- emollient - at most ++.
- +++ 3/27/78 ATS 400 mg (Furnace Creek & Colin 300, Brent 300). 2:30PM. Subtle on at [1:00] to sand dunes! colors- movement - Buñel movie - at darkness to car - to stovepipe -motel + spot - saloon - hotel up - home at [8:00] still active 10 mg diazepam sleep ok. extraordinarily rich interpretation - sensory. Brent to egypt & mexico Colin to father - ~2 day reentry. all of us +++ long lasting-(heat?)(interaction?).
- ++ 10/28/78 ATS 350 mg (175+175 at [1:00]) AG, NS, FG, all ≡) 10:50AM=[0:00] slow and subtle onset. AG (only)[with] passing nausea. [1:30] wave motion in painting. FG to +++ [with] colors, fire-hose box. some shakes. Early false decline [with] AG decline real at [5-7] appetite ok. "if food is there I will eat it" completely laid-back evening- it got quite late quickly - drive home at [14]. good sleep. Settle with a ++.

Sub-acute human in in vivo tests [with] TMA.

4/18/60

- 4/13/60      Subject: ATS. dose 2 mg TMA·HCl per os. 0.023mg/kg  
slight bitter taste - no observable Rx through next 8 hrs.
- 4/15/60      Subject: ATS. dos 20 mg TMA·HCl per os 0.23 mg/kg  
slight bitter taste - 1.5 hrs occasional flashes of  
mescaline-like color perception (white is intensified)  
- distinct pleasure in driving under trees (photic  
stimulation) - no nausea - no pupillary response.  
Re driving - no disturbance [with] coordination.
- 4/17/60      Subject R. Thompson dose 50 mg. TMA HCl per os 0.75mg/Kg.  
distinct euphoria - no nausea. - possible color  
intensification - no mental disturbance or any  
generatable hallucinations. 3 hrs - no symptoms  
whatsoever.
- 4/22/60      Subjects R. Thompson dose 140 mg 2.0 mg/Kg  
                 T. Wolf        dose 135 mg 1.7 mg/Kg    all per os  
                 H. Brock       dose 140 mg 1.8 mg/Kg  
in all subjects - distinct evidence of some  
nausea - comparable perhaps to equi-weight  
dosages of Mescaline. Druggedness comparable  
to from 2 to 3 times this wt. dose of Mescaline-  
indicating a pharmacological potency of 2 - 3 times.  
Observer comments - see page 9. et seq..



[Editor's Note: The following was pasted onto [Page 8](#)]

TMA-1		eq.
1-(AF)	120 mg (1.5mg/kg)	50µ LSD
2-(TA)	150 mg (2.5 " )	75-100 "
3-(MO)	150 mg (2.5 " ) + 80 "->(3.5 " ) (T. 230mg)	100-150
4-(BD)	180 mg (2.8mg/kg)	100µ
5-(PC)	200 mg (2.8 " )	"
6-(LP)	200 mg (3mg " )	"
7-(DS)	150 mg (2.7 " )	75-100µ
8-(RM)	150 mg (3 mg " )	100-150µ
9-(QN)	180 " (3 " )	"
10-(TT)	180 " (2.8 " )	150 "
11-(LH)	180 " (2.7 " )	150-200 "
12-(EA)	200 " (3 " )	150 "

Remarks - 1)I did not try to determine threshold  
2)Effective dosage ± 2.7mg/Kg  
3)Mescaline-like effect: peak-experiences +  
colors effects, illusion

## Objective response to TMA.

4/25/60

Date 4/22/60      Subjects R. Thompson      Observer ATS.  
                                 T. Wolf  
                                 H. Brock

DOSE      [see page \[8\]](#). no antiemetic administered.

SUBJECT R. Thompson      After a short period of nausea lasting from about 0.8 to 1.1 hrs after the administration of the drug, the subject seemed to be in a good mood. There was some tendency to over-appreciate an average joke. Coordination seemed essentially normal - able to work a problem accurately on a sliderule. At about 2 hrs. had to leave the laboratory to talk with a visitor briefly - experienced no insufficiencies in talking with him. At 2 1/2 hrs took a long walk (about a mile) and seemed to lack no coordination or ability to protect himself from traffic. Riding in a car evidenced some claustrophobia and loss of accurate distance estimation. At 3 1/2 hrs found listening to music extremely enjoyable, and found he could lose himself completely in it. Would lie on the floor with his head under a blanket. Reported a euphoric association with it (eyes-closed hallucinations) but could talk to the other subjects voluntarily at any time. Made the statement "If I had a little more of this drug, I could have an orgasm to that music." (Stravinsky: Rites of Spring). Subsequent Chopin Piano Elude and Bach Church Organ music seemed equally pleasurable.

He would become very irritated at the conversation of others if he wished to attend to the music. This vocalized request to "shut up or go into another room if you want to talk" was his only aggressive symptom.

Continued from page 9.

4/28/60

He had very little desire to eat, seemed to have very little mescaline-like color or motion synthesis. Left the subject at 5 hrs, at which time he was definitely withdrawing from the drugs effect. By his report there were essentially no remaining effects at 8 hrs, although he complained (as did his wife) that he was in a grouchy and irritable mood the next day.

His general impression was that his dosage was with a "drugged effect" equivalent to 300 or 350 mg of Mescaline but definitely not as much as 400 mg (i.e. 2 - 2 1/2 times the potency of Mescaline). When asked if he would like to repeat the experience he seemed indifferent, saying that it was interesting but preferred Mescaline.

SUBJECT T. Wolf      There was very nearly no nausea response of this subject to his nearly-equal dose of the drug. (Subjective is exceptionally sensitive to the emetic effect of Mescaline). At 1 1/2 hours experimented with the photic stimulator, generating (eyes-closed) patterns of palm-leaves and swaying trees. Became somewhat talkative, fell into a role of joke-telling (somewhat poor jokes, which he told very well, however). He seemed a little light-headed and responded in an unusually out-going manner to questions.

During the 1-mile walk he was quite aware of the Mescaline-like perception of detail and commented on his (presumed) ability to sit and philosophize upon the behavior of birds (he is a bird-watcher). He felt that he would be able to remember ~~there~~ their behavior because he could correlate it to his own, and thus better

Cont. from page 9.

4/28/60

understand it. He was struck with his capacity to observe his new personality objectively, and found the various components of it to be separately analyzable.

At 3 1/2 hrs (during the music experiment) he became extremely (and annoyingly) talkative. He would discuss the origins of languages, how they are derived from the environmental needs of the people, and that perhaps languages of unknown origins could be traced by correlating basic words or word-stems, and the geographical terrain requirements. And many more such philosophical meanderings.

He would occasionally fall into a deep reverie, from which he would emerge full of conversation, talk for a while intensely-then retreat to his thoughts. There was no impairment of mobility - he would wander around the room. During the music, he lay on the floor and kept his eyes fixed on the ceiling (a tweedy-textured surface) and found interwoven motion in it.

Repeatedly his self-description would return to the fact that his personality was divided and exposed, that he felt he could understand his psychic structure most clearly. He commented that the psychiatric use of the drug would be interesting to pursue.

At 5hrs., accompanied the subject back to his car, and at 5 1/2 hrs, he felt capable of driving to San Francisco. He had no assignable after effects except for a slight stomach-ache the following day. No grouchyneess.

His general impression was that the drug was not completely pleasant, as it

Continued from page 9.

4-28-60

allowed him too intimate a view of himself. He would try the drug again only for a specific reason. However, it did reiterate his opinion that it had value in psychiatry.

SUBJECT H. Brock     There was no nausea experienced after taking the drug. Subject had, initially, with Mescaline, moderately severe nausea, which decreased on each subsequent trial. At about 1 1/2 hrs he got quite happy, appreciating the current joke telling more than it deserved. The 1 mile walk seemed to fatigue him, but there was no apparent physical lack of coordination. Of the three subjects, he seemed to show the least drugged effect. The car ride evoked no unusual comment or reaction.

While the music was in effect he chose to quietly lie down and observe the stroboscope, in which he believed, but was not sure, he saw shapes and patterns. He seemed to be more interested in my reaction to his reactions, and did not choose to ignore my presence.

I left him at the 4 hour point, at which time he seemed to be withdrawing from what few symptoms he ever had.

The following day there was no report of any after-effect, and, his general memory was of an extremely light effect from the drug. He was indifferent concerning a re-trial of the drug, felt that the little effect it had didn't warrant wasting a day.

## Subjective response to TMA.

9/16/60

Date May 14, 1960    Subject ATS    Observer David Poole  
Robert Thompson

DOSE            225 mg TMA·HCl in water (alkaloid bitter taste)  
0.050 mg Marezine 1 hr. before

CHRONOLOGY            At 0.8 hrs. moderately severe nausea-  
can be repressed - fades out at 1.3 hrs. At 1.5 hrs  
first awareness of mescaline-like effects build up  
slowly to 2 1/2 hrs - start of intensive aggression-  
3.0 hrs back down to mescaline effects with  
only occasional lapses of the intense type feeling-  
at 7 hrs mental effects essentially gone-  
able to drive a car rationally.

HALLUCINATIONS        eyes open none eyes closed mild  
shape-generation and color motion synthesis-  
much less than with an effective dosage of  
mescaline.

VISUAL DISTORTION In general, very dependent upon  
the chronological elapsed time. During the  
bulk of the experiment, some channeling-  
varying to a walled-in near blindness at  
the short-duration extreme of the drug. see  
below.

-> Depth Perception: During the short duration  
of the extreme effect of the drug, the  
range of vision seemed to close in.  
Probably things at a distance were visible  
but did not register on the conscious mind.  
One kept wanting to swing ones hands out  
and around to keep complete submersion  
from occurring. This corresponds in time  
with, and is undoubtedly responsible for  
part of, the extreme aggressive response  
discussed below.



9/16/60

- > Motion Perception - very slight - some crawling of textured surfaces. similar again to mescaline.
- > Color Perception - slight. at nearly the most intense portion (building up to it) hamburgers were being made (no desire what-so-ever to eat) and the catsup had an intense red, 3 dimensional blood appearance. This was certainly in part a reflexion of the murderous mood that was developing. Withdrew from the area quite voluntarily.
- > Time Perception: Time was slowed in proportion to the intensity of the other effects. During the ~1/2 hr of the intense effect, it seemed like many hours.
- > Interpretation: Nothing noticeably awry. Auditory interpretation very interesting -see under mental attitude

#### PHYSICAL COORDINATION

There is some speech difficulties - but very little patience with these limitations. Slight rubberyness in muscles - attempts at vigorous exertion during and after the intense effects of the drug were underway, were more tiring than usual. Also - there did not appear to be any exceptional strength. Swung a heavy stick against a tree - the spirit was willing but the flesh was weak. Minor teeth chattering.

9/16/60

MENTAL COORDINATION

The mind is frantically active; one is very impatient with the inability to speak easily and quickly ones ideas. One is completely aware that the effects are due to the drug, but the effects are real and cannot be ignored. Every word and motion is rapidly evaluated, and remains usually unuttered, due to concentration and time required. Response to a direct question is possible, but the suspicions are present as to the secondary motives behind the question.

MENTAL ATTITUDE

Herein lies the extraordinary effect of the drug. During the early period of the drug effect, after the nausea, I sat on the davenport and read Bernstein's Joy of Music. To me, every phrase was audible to me, and I found the book exceedingly pleasurable. According to an observer David I was pugnacious about the music, (the book), and insisted that one had to have either a knowledge of music theory, or the drug, to appreciate the book. Also - I insisted that Bernstein had had the drug when he wrote the book (condemnation of him musically?)

At about 2 hrs. I listened to music from the radio. Rachmaninoff's 2nd piano concerto was playing (with which I am quite familiar.) I curled up under a cardtable in front of the radio (assumed a embryonic form with

9/16/60

head more or less down between legs. The feelings in this extremely pleasant period are very difficult to describe. I was associated intimately with the structure of the music. With my eyes closed, I was suspended, inverted, held by the fine filigree of the music, in a comfortable, prenatal?, chamber. The vigorous scales & arpeggios of the first movement were the chords that supported me from overhead. It was beautiful. After what seemed like an eternity, the movement ended, and I rejoined my observers, and attempted to describe the impressions. The 2nd movement started, and I re-retreated under the card table, lost again in the piano concerto.

After this piece, there was a period of commercials, that set me into a very aggressive state (unfortunate in light of subsequent evolvments). I was irritated with the cessation of music. The next selection was "Slaughter on 5th Avenue" (most, most, unfortunate). It was from this musical selection that I emerged in the extreme psychological state of violence.

For the next 1/2 hr. (objective) (subjectively it seemed without end) the violence of action seemed to be the only way of life. (DP) mentioned that she had seen many people walking down the street with the same, intense, don't-cross-me-if-you-know-what's-good-for-you-attitude on their faces. Apparently my demeanor was murderous; no observer would object to anything that I said or cross any decision of mine.

Continued from [P.13](#)

9/16/60

It was in this period that I was asked by an observer Robert if I could see in a rose the same mescaline-like colors and textures that I was familiar with. I recognized the similarities. He then asked if I could hurt the flower. Without hesitating I took the blossom and crushed it in my fist, an act that would be normally most difficult to do, and which under mescaline would be impossible absolutely impossible to do.

At one point Robert asked me if I thought that I might do well with a tranquilizer (he subsequently admitted that he was concerned as to the extent of my subjugation to the drug) and my response was a veiled threat to push him down the stairs if he tried to "medicate" me. He did not pursue the subject.

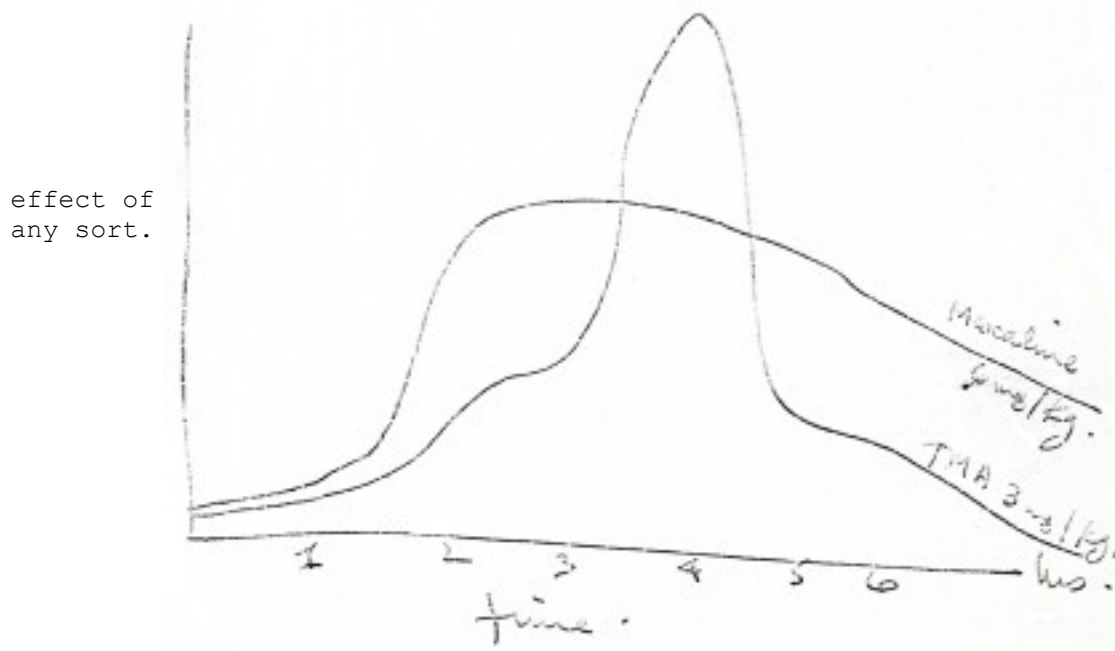
After the intensity of this reaction had subsided, Robert suggested a ride in the car, and my comment was that "it should be safe, there is a great deal of steel to protect people from me." We went into the eucalyptus groves behind the Botanical gardens at Cal. It was there that I tried swinging a big stick. (HF) I picked up a stone, and mentioned that I could, without hesitation, scratch a gorge in his fender. He inquired why I didn't, and I admitted that I recognized that I would, the next day, have to pay for the damages. It was this reality-awareness that stayed my hand. But I could easily see how another person without this heavily inbred social consciousness, could easily

9/16/60

be a vandal. At this point, I had already passed the maximum of the drug, and I could reason in this manner. If I had been confronted with the same situation an hour earlier, I may very well have scraped a nasty gash in his fender.

GENERAL COMMENTS:

This drug - to an extent, approximated mescaline in its effects. Try to compare by a graph:



The idea attempted to be portrayed is that in almost every comparison, TMA was similar to mescaline, but comparable to a smaller dosage, BUT in the middle of this some what uninteresting.

Continued from page 13

9/16/60 -

exposition there emerged an unexpected effect that was alien to mescaline.

No observer can be objective. I do not know if these effects are the result of the drug —

1) creating an image of an aggressive neurotic in me, and my response can be blamed on an inherent property of the drug; or

2) the drug released a natural, but repressed, facet of my personality, and with another subject, the quality of the response would be completely changed.

These problems can be resolved only with much more extensive experimentation.

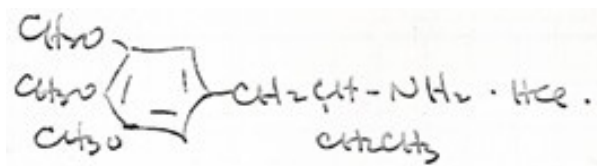
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TMA has subsequently been employed, primarily under the eye of Dr. T. Wolf, in dose levels of 2.8 to 3.5 mg/Kg on five assorted subjects. Without exception there was a thorough response, summarized in the Nature paper [with] him & Robert.



## Sub-acute oral effects - AEM.

3/5/61



all oral.

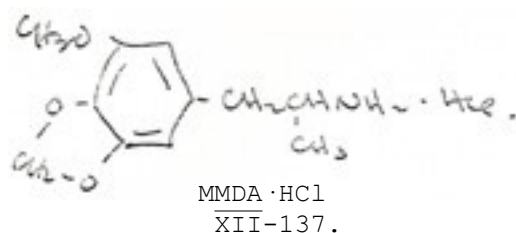
3/5/61	150 $\mu$ g	(salt) (.002 mg/kg)	(base) no effect.
3/7/61	1 mg	(.011 mg/kg)	no effect.
3/31/61	2.4 mg	(.027 mg/kg)	(11AM) distinct taste - no effect.
	6.5 mg	(0.73 /kg)	2:10PM. Bitter
			pulse up to 22 apprehension. no effect.
4/1/61	9.1 mg	(0.1 mg/kg)	nothing
4/3/61	13.1 mg	(0.15 mg/kg)	some tremors? - able to concentrate possible muscular effects? no effect.
4/6/61	18.5 mg	(0.21 mg/kg)	negligible effect.
4/13/61	30.5 mg	(0.35 mg/kg)	" "
4/20/61	49 mg	(0.56 mg/kg)	" "
4/26/61	80 mg	(0.91 mg/kg)	" "
5/10/61	123 mg	(1.4 mg/kg)	no effect.
5/19/61	178 mg	(2.0 mg/kg)	no effect.

at this level TMA would be really effective - there is no nausea - no real muscular effect - certainly no mental effect. conclusion - AEM less active than TMA.

Subsequently. (~Dec) took, orally 220mg (~2.5mg/kg) - no assignable effect

Unless further evidence comes into play, this is all.

## Subacute oral effects MMDA

1/28/62 et seq

$C_{11}H_{15}NO_3 \cdot HCl$   
M.W. 209 + 36.5

at 170lbs, and as free  
base  
90.5mg (as ·HCl)  
= 1 mg/kg (as f.base)  
all ORAL

date	time	amt	=	
1/29/62	5:40AM	.25mg	= 0.0028mg/kg	6:00AM - hip & thigh muscle show fatiguing - but then I laid brick yesterday. 6:30 no effect ∴ not hypersensitive
1/29/62	7:00AM	2.25mg	= 0.025mg/kg	no effect.
1/30/62	6:25AM	7.1mg	= 0.078mg/kg	slight dizzy moment at 7:10. undoubtedly apprehension - otherwise no effect.
2/1/62	6:32AM	12.3mg	= 0.136mg/kg	no effects.
2/6/62	6:50AM	20.9mg		no effects.
2/12/62	6:40AM	34.8mg	0.38mg/kg (free base)	no effects.
2/26/62	6:38AM	55.0mg	0.6mg/kg	as free base. - ~8am- possible attenuation of intoxic & naus - felt quite ill - some dilat. - pulse 116. 11AM - fine.
3/5/62	6:30AM	76.4mg	0.85 mg/kg	distinct effect - <a href="#">see page 22</a> .
8/6/62	6:40AM (½)	94.3mg	1.04 mg/kg	distinct effect - <a href="#">see page 22</a>
	6:58AM (½)			

[see page 104](#) for more subacutes.

Add to Dous. ~9162 . CC - in 6 —150-250mg confirmation of brain movies.

## Subjective Response to MMDA·HCl.

3/28/62.

DATE March 5 1962 6:30AM Subject ATS  
Observer Luther, KJ

DOSE 76.4 mg (0.85 mg/kg)

Chronology. 0:15 - pulse up into 90-100 area - may be apprehension, but it was up there anyway - there was no dilation of the pupils yet - but a strong urge to abort the experiment anyways. Burning of tongue. 0:25 pulse back down to 80-85 so it undoubtedly was mental 1:00 no further effects ~1:30 eye dilation (50%) and distinct but occasional urges to nausea - muddled thinking - wish to vomit and walk up or down stairs, as if purposefully, to be doing something. 1:30 - 3:00 period of mental muddle, with added occasional periods of stomach queasiness. Attempt to read Chem. Abstracts - cannot maintain concentration- 1st line is unrecallable after 2nd line is read. Keep checking in on Herb - not through apprehension (there isn't any, now, whatsoever) - but just to be active. Talk a while [with] KJ - but cannot think with any agility. Have sad feeling that previous sentence didn't make any sense. At no point any color, motion, nor sound effects. After 3:30 effect, light as it was, rapidly disappeared, and return of desire to eat was appreciated (no more queasiness). No after affects - normal appetite & sleep in PM.

DATE Aug 6 1962 7:AM Subject ATS obs. Luther

DOSE 94.3 mg (~1 mg/kg) as free base took in two chunks 15 min apart, to help circumvent the possible pulse effect. There was no noticeable pulse change. At ~ +40 min - some intox - some nausea - both severe (comparatively) at ~1 hr to 1.5 hrs - no vomiting - nausea goes - intox lingers about another 1 1/2 hrs - no noticeable mental muddle this time - at ~2 hr. slight synthetic motion in a pile of rags - couldn't identify the rags from a distance. No tactile change - marginal but real effect. Had eaten 1 sandwich 2 3/4 hrs prior to experiment

[Editor's Note: The following are type-written letters attached to the pages]

UNIVERSITY OF CALIFORNIA MEDICAL CENTER  
SAN FRANCISCO 22, CALIFORNIA

RESEARCH AND DEVELOPMENT LABORATORY

29 August 1962

Doctor Sasha Shulgin  
Dow Chemical Company  
Walnut Creek, Calif.

2 trials

Dear Sasha:

Mr. S. Gaines & myself tried the MMDA on Sunday, 26 of August.  
Our log follows: (taken by Mrs. Kim Brock up to 11:30)

10:24 100 mg orally

10:55 felt reaction, saw slight green tinge in shadows  
of faces. Pupillary dilatation HB. No dilatation  
for SG, but he felt "layback."

11:05 Voluble, constant movement of hands & feet (as per  
usual for me) SG experienced the "floats."

11:10 HB felt warmth & muscle "tone" (almost quivering)

11:30 Departed for Marin country with Mr. Gearld Vincent  
(originator of Trevor) Shopped in supermarket at  
about 0.8g.

12:30 Arrived at home of Jordan and Emily (Magnificent  
oriental stage in living room.)

1:00 Picnic with no effect on taste. Still .8G, very pleasant

2:00 Experience comparable to 20 µg LSD 25.

2:30 Feeling relaxed, composed

3:00 Back to normal; feeling of having taken amphetamine.

3:30 Returned home; approx. .9g.

4:30 Slight feeling of "green apples" in stomach

9:00 Eyes still dilated; a little restless but slightly tired

11:00 To sleep. Slept well. Awoke refreshed and happy.

*Look forward to you meeting Stella*

*Regards,  
Brock*

## REPORT OF SUBJECTIVE

## Observations on Psychoactive Effects of Methoxy Methylene Dioxy

## Amphetamine

Henry Brock

11:20 a.m., Saturday, September 1, 1962 - 210 mg. MMDA orally  
100 kg -> 1.8 mg/kg as free  
base

MMDA tastes awful. The bitter alkaloid taste is followed by a distinctly chemical laboratory flavor as if from old rubber tubing. This is easily dissipated by a drink of fruit juice and cookies. Nothing seems to happen for about 45 minutes when rather suddenly an anvil seems to lower itself over your head; you feel disoriented, and tend to withdraw from social contact a little. In an hour you feel like wandering off into the hills to be alone. This drug gives less feeling of being ill than mescaline. The effect definitely reaches a climax with a pleasant afterglow following. Apparently there is no profound motor coordination problem. Although I didn't feel too steady, I could run down hill at full speed without falling. Would probably have trouble juggling though.

200 mg. MMDA yields that "Sunday afternoon" feeling of desiring to lie down and enjoy life; a luxurious feeling of "layback."

No enhancement of colors in visual scene (except some greenish tinge in faces) but on closing eyes hallucinations appear to be quite real in 3-D; like watching a movie. First these dreams appear in black and white but later color starts appearing. Chartreuse and magenta first appear, then blue and finally red. First had visions

(Continued on page 2)

[Editor's Note: The following was written vertically in the left margin]  
by phone - had said "30-45 min, ANVIL OVER HEAD."]

(2)

of large numbers on gaming tables, then people. MDMA appears to bring dreams to the conscious level; is a link between the sub-conscious and the conscious.

There is a desire to lie down and sunbathe. One must be hot for he perspires profusely lying in the sun but he doesn't feel the heat - just comfortable warm feeling inside; languorous and at peace with the world. The drug induces a profound feeling of relaxation. Visual hallucinations with eyes closed are vivid, colorful, 3D and appear quite real. One tends to be somewhat anti-social or maybe more pro-nature, enjoying the open air, field and trees more than being in a crowd.

Commentary on tape during experience:

"I've never had a drug affect me like this. I'd have sworn it were opium if I didn't know it were illegal. The colors I got were magenta, fuchsia and chartreuse, mainly. Then I began to get some of the reds at about 12:45. Then marvelous visions filled with little translucent spheres of chartreuse, blue, gold, yellow and red, which cascaded down a glass stairway in waves like brightly multicolored marbles. There is a feeling of consciousness yet not really being here in the world. I don't remember the things that happened just a short time ago. Slowly, the whole things has been building up of fleeting visions. The big tendency is simply to lie back, not necessarily to got to sleep, but to relax completely out in the sun and just to

(Continued on page 3)

(3)

enjoy this feeling of luxurious languor. "I am prone to be prone."  
I feel just a little bit incoherent, possibly slightly ataxic.  
Here, Just lie out in the sun; I've never been so completely  
relaxed by anything before. This is a fine way to sidestep worries  
and just enjoy life. At times I have feelings of lucidity and contact  
with the world and I can wander around, up and down the hillside,  
among the fields and trees with no problems at all. But then a little  
later I want to get away from people and just lie down with my thoughts  
and visions. There are no feelings about feelings. The euphoric  
state comes in waves like a great prolonged orgasm. When the drug  
effects start wearing off, one feels what might best be described in  
the marriage manuals as the "afterglow."

I think 200 mg is an excellent dose. Here I drop in on my sub-  
conscious without going to sleep altogether. There is a little  
feeling of depersonalization. Earlier in the day I felt my legs and  
feet were detached from my body when I nodded my head from side to  
side; an illusion somewhat akin to the Pulfrich effect causing the  
lighted end of a cigarette to appear to detach itself from the body  
of the cigarette when waved in a semi-darkened room.

Just now on closing my eyes, I am able to see some very brilliant  
regal purple velvet encrusted with silver broaches on an ermine white  
background. The scene changes to a rich golden effulgent light  
pervading everything when I turn with eyes closed towards the sun.  
However, in shading the eyes, the whole scene becomes drenched in  
brilliant blue. A feeling of warmth and gregariousness pervaded me  
as the drug began to wear off. It was most pleasant to be with

([Continued on page 4](#))

(4)

people and to communicate to them the feelings and visions I had recently experienced. Mike lost his memory for names temporarily. Heads cleared around 4:00 p.m.

This drug should sell as a relaxant and euphoriant. The psychoanalysts should be able to make good use of it if in fact it proves to be as it seemed to me, a conscious link with the subconscious. It seems dreams are experienced while being awake and very real appearing scenes flit by as if in the movies. I have never felt so profoundly relaxed. Felt fine the next day. Slept ten hours and felt relaxed and refreshed on awakening.



Brock,  
 This is the only copy  
 I have - you said you  
 could get it duped...  
 Hope you like  
 James Woodard

# MMDA / MINIATURE HIGH

James Woodard  
 I believe 2.3mg/kg

I use the word miniature in the sense that I would describe a piece by the jazz pianist Bud Powell as a miniature. Comparing a Beethoven piano sonata with Autumn in New York as played by Powell would be analogous to comparing Mescaline and MMDA. MMDA comes through as a miniature high -- everything is there but in lesser quantity and duration.

MMDA stops barely short of the Olympian Universe of time-  
 the appearance of  
 ceasing and ^ organic and inorganic radiances. The immediate part of the high is about two and one half hours in duration. Rather than a cessation of Time, as there is with mescaline or psilocybin, there is a kind of timelessness during the first malaise-like hour of the high. There is more a feeling of stupefaction than there is with most highs.

In a car climbing the Berkeley foothills I went into a terrible fear. ~~the second worst I've had.~~ It only lasted a few minutes -- but it did not matter in the timelessness how long the panic lasted - it was eternal. I looked out onto the grassy hillside at the dead silver-brown grass. In the expanse of field I could see each separate blade of grass gleaming and the

trillions of brown-silver blades blended together into a vast wavering fur. Far below was the panorama of foggy Berkeley and Oakland and the bay. --It all began to loom in timelessness and beauty. --I thought I was going to enter the Olympian Universe. I WAS NOT PREPARED FOR THE OLYMPIAN UNIVERSE! --I had been expecting something like a marijuana high I realized that if I entered the Olympian that I Hadn't yet recovered sufficiently from my last high to hold myself together.

Heat swelled in my genitals and rose to my stomach. --I felt agonizing and perfect fear. I wanted to ask the others to go back so I could take thorazine. I couldn't talk. The car swerved around a hairpin bend in the road giving me another view of the silverbrown grass-fur and the vast unwanted dearness of the view.

Suddenly I was fighting with 'Captain Zero' -- I mean the whole disordered and eternity-seeking consciousness that is no longer mammalian in nature but belongs to the order of molecules and inert matter! I decided that all I could do was to go with it -- to let Zero take over, But then I was sure that I would not come back. ~~Then~~ I tried to hold back the high but realized I would do myself damage that way. Then I tried to get on top of the whole high and control it. all in all, I tried perhaps fifteen or twenty either unrecallable or almost indescribable means to ~~either~~ control or escape the high.

During this time I believed that I was going to pieces and I would possibly never be with the human-world again. My insides were going wild and my conscious mind seemed to be the only force holding me together. At one point I managed to ask

how the dosage had been figured. --I was reassured by comparing the dosage to mescaline dosage. For a moment I grasped the fact that I could go through three hours of the fear. Then my insides and mind went wilder. Jesus, I could not enter Olympia again!!

When the car stopped I was in control and the aroused molecular consciousness had dissipated. The number of exits and ordinary animal powers that I ~~had~~ tried had given me control. I account the sudden gaining of sureness to ~~wide~~ experience with hallucinogens. I don't think any of the methods that I tried worked -- but the number of possibilities gave me an assurance that I could control me even in Olympia.

I told the others what had happened and felt I could enjoy some of the day. For a moment I felt the joy of relief

(Interestingly, none of the other participants got to the Olympian Universe during the high. I account the fact that I touched the border of time to a predisposition distraited in my body chemistry through earlier experience with peyote and psilocybin.)

As we walked up the footpath over golden brown dust I saw footprints of birds, tennis shoes, and bare feet. The frightening nature of tracks and artifacts began to overwhelm me. As I walked I tried to insulate myself from the sight. To my right was the dream panorama of hundreds of square miles of enchanted cities and dream reality fog pouring upon them from the bay. I was not interested and only cared about keeping myself together and not slipping back to meet Captain Zero.

The short, eternal, uphill walk exhausted us and we fell on the ground in a tiny stand of trees. I still wanted the ex-

perience to end and to return to the meanings of daily loves and realities. ~~but~~ I had adjusted enough to make it through the high. My companions closed their eyes and began having brain movies. (Earlier my eyes had been forced shut many times by the euphoric hallucinogen pleasure.) Now I held my eyes open not wanting brain movies or visions. When I closed my eyes experimentally I saw only glorious and pleasing blackness.

We talked desultorily and and dozelessly and I realized that I was able to see through the eyes of my companions. They were seeing stark reality exactly as I saw it. I wanted to talk to Robert and find out who he was. I found talking too difficult. My eyes were beginning to close again with exhaustion and pleasure.

When I lit cigarettes I could not find my lips well and they were numbed. Matches kept blowing out in a wind that was not strong enough to blow them out. We wobbled when we walked.

We stayed in the little stand of trees. I sat for a while then got up and sat in another place. Then I got up again & etc.

Except for visual sensation, which was just on the verge of mescaline or psilocybin vision in clarity, I seemed to be sealed from sensation and living in a kind of hyper-lucidity of sense -- a pleasant paradox.

I lay back and closed my eyes and practiced raising the goddess Kundalini (The Serpent Power) from the base chakra and through my body. I ~~xxxxxxxxxxxxxxxx~~ succeeded in raising the power, for the first time, past my shoulders and into my head. I realized, as I did it, that I was not truly raising the Serpent Power but rather cleaning the nerve tubes. However, I achieved

grayish-clear affective pictures of the chakra nerve centers.

It was a good feeling.

The crystal clear air gave bright green sharpness to the evergreens. Looking at trees of leaves or plants was like a mild mescaline high. Fir trees became living, green, modern sculptures of strange Indian rococo beasts -- as if the sculptor Lipschitz worked at their trimming.

The malais-like feeling began to end and the doze-like feeling left with it.

I walked to a redwood copse where other members of the party were sitting. I was struck by the absolute and superb beauty and clarity of the people and the trees and air and the music that played over the portable radio. I felt close to the children and admired their beauty. At this point I realized that I was simply sitting and enjoying a Sunday noon in its full pleasantness. Ordinarily I would have been bored with out more to do. The next couple of hours became a pleasant and beautiful picnic. The come-down was abrupt but not unpleasant. I was ready. Time passed with swift rapidity for the rest of the day. Two hour periods would flash by. Late that night I was kept from sleep for half an hour by brain movies -- little crocodiles running across dusty roads through spotlights in the darkness, magic evergreen trees fading into and out of reality, and anecdotal sequences of brain visions.

## AN OBSCURE FOOTNOTE

A week after taking MDMA I woke in the middle of the night and as I awakened I felt that there would be no reality but only nothingness. I was horrified and threw myself bolt upright in bed and opened my eyes instantaneously.

Shelley says:

Lift not the painted veil which those who live  
 Call Life; though unreal shapes be pictured there,  
 And it but mimic all we would believe  
 With colors idly spread, behind, lurk Fear  
 And Hope, twin Destinies; who ever weave  
 Their shadows, oer the chasm, sightless and drear...

The awakening I had was definitely a reaction to the MDMA. Yesterday I talked with a man who has taken too much lsd. I tried to avoid speaking of hallucinogens but he was insistent. As I described some post-hallucinogen states of extreme anxiety regarding the nature of reality, the man began to writhe in his chair, wring his hands, and temporarily lost the ability to speak. I have been in that state. While speaking with Taylor Wolf he identified it as an anxiety state and pointed out that it is not only related to hallucinogens but is a not uncommon anxiety state for those who have not had drugs.

Taylor accounts the state to an arising of unconscious material to the surface.

That seems fine and true enough -- as good a name for what is happening as any other. What it does not clear up is the intuitions that I have that strengthen and contradict each other. I am aware of two feelings: that the 'material' is of a repressed psychological nature in the Freudian-Reichian sense, and that there is also another order of 'material' confronted. The other order is that of the molecular level of consciousness. I mean a part of ourselves more related to the philosophical consciousness of sea urchins and sponges -- who are no more than the tugs of their desires and the hungers and the consciousnesses of their motions and withdrawals -- who are an actual conscious part of the physical universe and the actual being of their protoplasm in the 'Surge of Life.' It would be interesting if what we so surely call the ~~Subconscious~~ or 'Unconscious' were in reality two or more vastly divided parts of our being that are both commonly inaccessible.

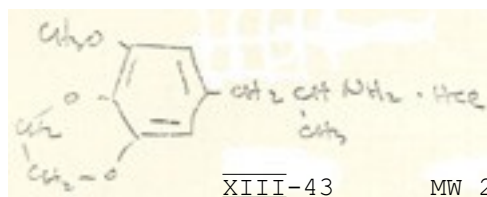
I am not saying this to strengthen my argument that I confronted the molecular consciousness on MDMA. I was in too much of a fear state to be definite of anything when I think of it now two weeks later.

-- But I am intuitively sure that we are meeting two unknown areas -- both repressions and a molecular-philosophical-Universeconsciousness. I have a strong feeling that the second of these should be left untouched by both psychiatry and happy-day investigations. We mess with some structure that should remain unknown ^ -- Unless the experiment-er is aware of the risk -- or go slowly in an investigatory manner with caution.

James Woodard

## Subacute oral effects of MEDA

4/5/62



at 170 lbs, amber  
freebase

MW 223

+

36.5

18

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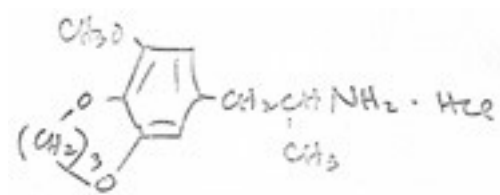
277.5

date	time	amt	
4/5/62	4:25AM	0.10 mg	no effect. not hypers.
4/5/62	5:10AM	1.0 mg	no effect.
4/5/62	6:40AM	4.0 mg	at 1-2 hrs, punch-drunk - but it was probably just me this AM.
4/9/62	6:00AM	7.0 mg	no positive effect.
5/1/62	6:30AM	10.6 mg	no effect.
6/20/62	6:50AM	15.8 mg	no effect.
9/7/62	7:10AM	29.4 mg	no effect.
9/8/62	9:50AM	60.2 mg	no effect except maybe a little hyperthyroidism.
9/18/62	7:15AM	100.8 mg	slight effect. definite excitability - possible visual distortion slow on, slow off (3-5 hrs)

(~9/25/62 - Brock - 200 mg - no effect)



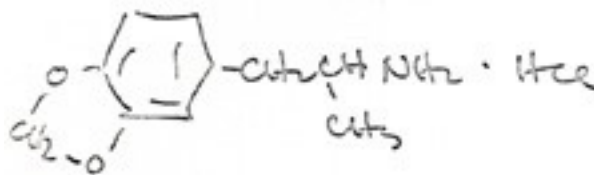
## Subacute effects of MTDA·HCl



date	time	amt	notes
10/14/62	4:00 PM	dab (~100 µg)	no effect
10/17/62	11:10 AM	2.0 mg	total 8.4 mg. no effect.
	11:30 AM	2.2 mg	
	12:00 noon	4.2 mg	

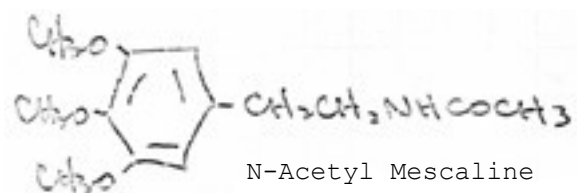
Sub acute oral effects MDA.

5/17/61



- 5/17/61 4:40AM 4.8 mg oral. not unpleasant  
taste - no mental effects - went like house afire  
cleaning up lab - organizing - full of energy -  
this may be an amphetamine-like response or  
maybe ~~was~~ is normal for this day. no pulse -  
no eye-pupil change. probably no effect.  
no more for the moment.
- ~7/1/65 Robert 25 mg. distinctive effects. of visual (+ color) enhancement-  
felt effects for up to 4 hrs - this is a threshold response  
quite a ~~but~~ bit lower than that reported by Robert.
- 8/17/65 ATS 15.2 mg 6:45AM eyes dil. at 8:00? no effects.
- ± 8/18/65 ATS 25.4 mg 6:50 AM Probably threshold OK. not up to T.S. Above  
and so will try one more - extremely marginal if at all.  
guess as of 10/20/65 effective 80 mg?  
if so, MU~ 3.5?
- + 10/28/65 ATS 35.0 mg 9:30AM. Probably threshold mentally - definite threshold  
autonomically. 10:30 50% dilation - teeth rubby - eyes  
pretty much normal 1:00 PM. Mental confusion shown  
in calculations, played poor bridge. mental effects  
certainly gone by 1-2 pm. very nebulous.
- ~3/66 AF 40 mg.  
via AF 3 x 200 -> 24 hrs.  
via AF 2 x 150 -> some visual + age regression.
- 3/19/67 Robert; HF 100, 85 resp. & D.I. on Mez. **gamblers** - good control.
- 1/11/72 ATS - 20 mg - collect urine & serum samples. Occasional flash  
(9:30 AM) IM paraesthetic activity - otherwise - no action

Subacute oral effects N.A.M.

2/27/62 et seq. $C_{13}H_{19}NO_4$ 

MW 253

at 170 lbs

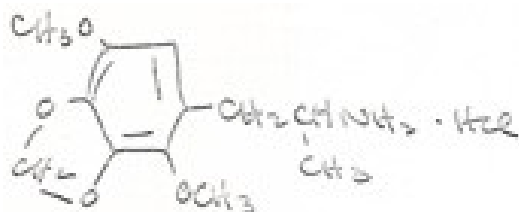
77 mg = 1 mg/Kg.

XII-184A.

date	time	amt	
2/27/62	5:53AM	1.0 mg	N.R.
2/27/62	6:50AM	5.0 mg	N.R.
2/28/62	3:06AM	12.4 mg	N.R.
3/1/62	6:28AM	27.2 mg	musty distinct taste not quinine-like bitterness of the free amide salts
3/29/62	6:30AM	47.2 mg	slight musty taste
8/26/62	11:45AM	73.6 mg	a little as a solid directly on tongue - bitter but not too much so. rest - in H <sub>2</sub> O (~25 ml) no effect.
11/1/62	7:25AM	118.9 mg	no mental or central effect. PM - strong persistent pain in kidneys - 10-12 AM - leg ataxia (slight). Believe these to be the first signs of toxicity. this is probably the last trial with this.

## Sub-acute effects of DMMDA

9/19/62



MW. 275.5  
free base 240

XIV-43<sup>(1)</sup>

date	time	amt	notes
9/19/62	1:35PM	0.9 mg	bitter - no effect. no hypersens.
9/19/62	7:00PM	4.6 mg	(post pran +wine). no effect.
9/21/62	4:10PM	9.0 mg	no effect.
9/25/62	6:50AM	18.3 mg	<u>real</u> effect - see next page. ⊕ 16 mg base or at 80 kg .2mg/Kg.
11/15/62	7:17AM	24.7 mg	⊕ 21.5 mg base quite thorough- <a href="#">see page 41</a> at 75 Kg 0.283 mg/Kg or ~0.3 mg/Kg

3 April 1967

~5/67 Robert 25 mg

~9/67 Andrew ~50 mg. ~~active~~ -

7/April/69 Robert 35 as much toxic as active - cramps  
again - not worth it.

V DMMDA

- 1.- 50mg in doses of 10 mg every 30' - no effect (AF)
- 2.- 50 " (capsule) (NB) comp. to 50μ LSD. Abstract thinking & some imagery
- 3.- 75 " (HB) " " 75μ LSD. imagery, insight into relationship
- 4.- 75 " (CL) " " 100 " Religion - aesthetic exp.

DMMDA

10/9/62

Date Sept 25, 1962 Subject ATS Observer - LF, KJ, MD

Dose 18.3 mg (0.2 mg/Kg) (6:50AM).

At 0.5 hrs drove to Pittsburg - no indication of nausea or any peripheral symptoms. Aided Janice [with] a distillation - seemed to gradually become intoxicated. 1.5 to 2.5 hrs. talked [with] KJ, Leah V, Janice, others - distinctly wound up and intoxicated. 2.5 to 3.0 hr. spend in driving back to Walnut Creek. Wild drive. Feeling of speed of car not accurate - would observe mountain ~~moth~~ motions, overlay of scenery as my car's elevation changed - philosophized on all relative motion (advancement, retreat, ascension, decline,) completely dependent on motion of observer as well. Then I would think to watch the road again, etc. From 3.0 to 4.5 hrs. this high period persisted. My actions must have been noticeable but no one commented. During period 4.5 - 5.0 there was a noticeable drop off of intoxication and was able to play a very acceptable game of bridge 5 - 5.5 hrs. The knowledge of "not-being-me" lasted on, however, and at 9. hrs I drove home. This drive was still a little detached and unreal, but was nevertheless under control. A martini at 11. hrs. completed the wash out - no after effects, no sleep problems.

This is a marginally active dosage of what may be quite a CNS or psychotomimetic drug. Must approach higher dosages [with] caution.

## Subjective Response to DMMDA.

11/15/62

see pages 28,29.

Date Nov. 15, 1962 Subject ATS. Observer Luther Fynn

Dose 24.7 (<0.3 mg/kg) 7:17AM. All times corrected to this. I shall transcribe my notes taken throughout the experiment, as far as they are legible. Comments are added in [ ].

Time Remarks:

1:15 Intoxication hit - very very like LSD eyes 30% dilated [there was absolutely no preliminary warning in the form of nausea]

1:45 Shaky - leg problem [knees a little weak] not much more intoxicated - eyes 50% dilated.

1:55 Into head - mild depersonalization (as [with] LSD) - took crap, wiped - sans really caring - eyes closed - slight early - mescaline clouds - no color [this was last urination in nearly 4 hrs - cannot recall amount voided]

2:00 Time seems slightly slowed - warm feeling in genitals - may yet be nauseated [handwriting deteriorating]. Tried to proof-read a couple of papers - wow [actually did an excellent job]

2:05 teeth rubby - legs [with] ataxia (very mild) still feel a little urpy.

2:10 talk a little garbled - taste in throat of something eaten a couple of hours ago (nothing) - slight nausea.

2:10 arm ataxia now too [handwriting quite bad].

2:15 good & drunk now - no motion no color.

2:20 time subjectively slowed - feel that several people have become aware - Luther assures me not so pulse 92 [felt guilty being in back of lab looking at clock for such a long 15 seconds - felt certain I was conspicuous]

2:30 I am certainly as intoxicated as under 80 µg LSD.

2:35 subject Mitch knows [he didn't, when I confided in him later] Luther says no - must remember molasses joke [which undoubtedly seemed

OVER

Time:       Comment:

much more funny than it was - I laughed uproariously].

3:00       must be paranoid [I sure was] - I am sure  
Kelly knows also Amy but how can  
I ever find out - paradox of observation -  
reflexes are excellent although coordination  
pretty grim [handwriting pretty grim too]

3:15       into dark room -  $\alpha$ -ray **theta** [spelled correctly]  
everywhere from sky light - interesting 3D  
effect from nude on door - must check  
[actually it was a photograph of the  
cushion she was resting on that had the  
3D effect - had to feel to make sure button  
and cushion wernt attached in reality to  
the door] afraid of discovery - coming  
out - seen by both Jill and Andrea  
[Andrea] - they both looked at me strangely -  
verified that they couldn't have seen me  
come out of dark room Janitors closet [true]  
druggedness of lots LSD - but seem to be  
able to cope [with] people

3:25       teeth still rubby - no nausea

4:05       mental stuff going fast - I am hyperthyroid -  
but luckily [with] pretty good coordination -  
intoxicated still - going full blast. I  
may recover [at this time I sailed into  
stockroom to wrap a gram bottle of  
methylenedioxy amphetamine for Robert - swept in  
did the job - swept out quickly & efficiently]

4:25       lucid - clear

4:45       eat lunch - mouth doesn't quite work right  
yet [the apple was almost too much][and seemed  
incredibly noisy]

5:15       seem to be out of the drug OK [handwriting normal]

5:45       occurs to me to urinate. Hadn't all

morning. Small pass - strong color [no odor]  
 right eye still dilated, left almost  
 normal [It seems to be difficult to  
 function the muscles necessary to  
 urinate - could there be a little  
 paralysis?]

6:05       teeth still disturbingly rubby. I'm going  
 to load up on coffee.

7:15       (2:30 real time) passed another 50 cc urine -  
 color O.K. all will be O.K. - write all  
 this up now [which I just did, at this  
 time].

                  end of concurrent notes.  
                   time 3:00PM (7:45 of  
                                   experiment)

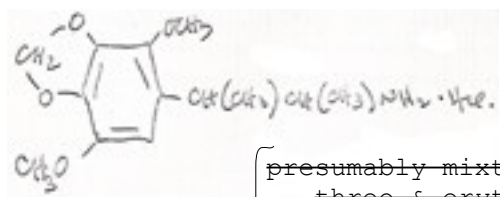
at 8hrs - urinate again - but muscles still don't seem  
 to be right - also still some tremor in hand -  
 tingle in legs. apparently really have some AchE  
 shock.

eye dilation gone at 8:00PM (13 hrs) and urination  
 apparatus worked normally. slept well - AM. excellent spirits.



## Subacute effects of S-1495

10/21/62



MW 289.5  
freebase 254

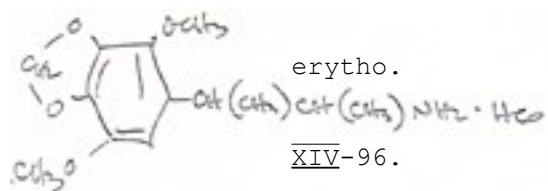
XIV-95B.

[~~presumably mixture of~~  
~~threo & erythro~~] no so - is threo.

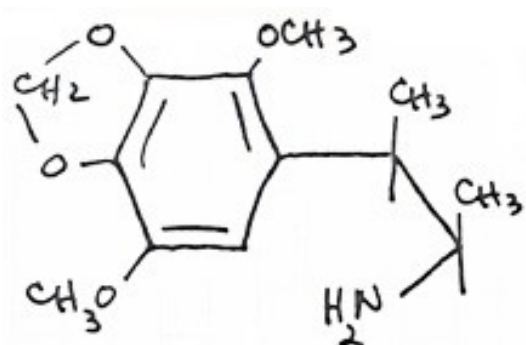
date	time	amt	notes
10/21/62	10:30 AM ✓	dab	
10/22/62	7:10 AM ✓)	1.8 mg	
	7:40 AM ✓)	2.6 mg	
	8:25 AM ✓	2.8 mg	no effect (7.2 mg)
10/23/62	11:10 AM	12.4 mg	no effect.
10/25/62	7:20 AM ✓)	19.9 mg	
	8:05 AM ✓	11.2 mg	no effect (31.1 mg)
11/10/62	9:58 AM ✓)	51.0 mg	
	10:58 AM ✓	30.4 mg	81.4 mg- possible marginal effect - <a href="#">to page 47</a> .

## Subacute effects of S-1496

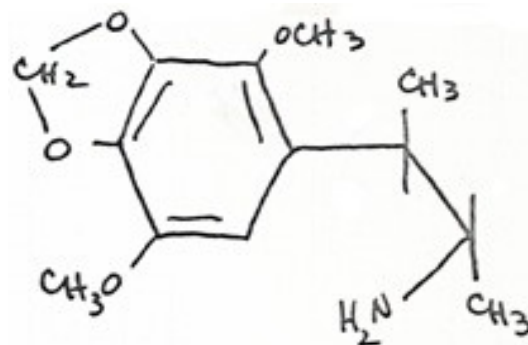
10/22/62



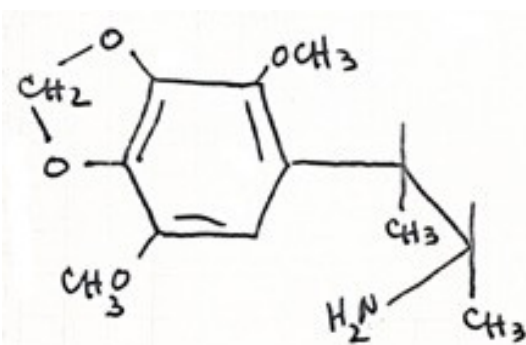
date	time	amt	notes
10/22/62	11:00AM ✓	dab.	no effect.
10/29/62	9:20AM ✓	0.7 mg	
	9:55AM ✓	1.1 mg	
	10:23AM ✓	1.3 mg	(5.1 mg) no effect.
10/31/62	7:00AM ✓	5.1 mg	
	7:35AM ✓	4.6 mg	(9.7 mg) no effect.



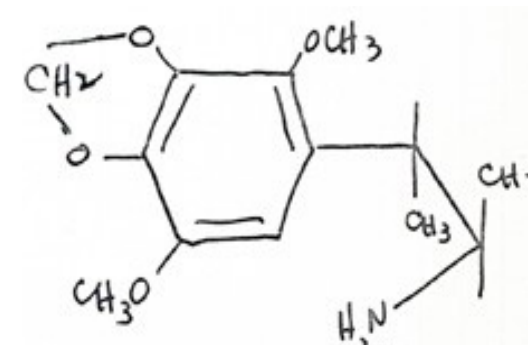
L erythro-



threo-



D erythro-



threo-

Marginal effects from S-1495  
[see page 44](#).

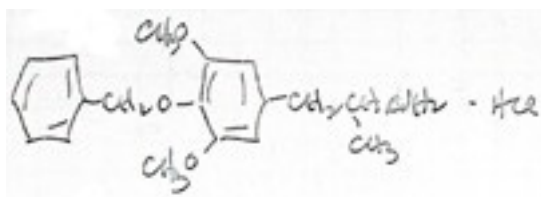
81.4 mg (in two doses, 1 hr apart).  
⇌ 71.4 mg base, at 75 kg ~0.95 mg/kg.

time - from 2nd dose

2:30 teeth distinctly rubby.

3:00 Hyperventilation. quite willing to sit by  
V.P.C. and appear busy. Possible mental muddyness. I feel  
that this level is not active, quite, yet - but if a  
larger dose is positive, then 1 mg/kg will be the  
first level [with] perceptible activity.

## Subacute effects of Benzyloxydimethoxy amphetamine



XIV-59.

date	time	amt	notes.
10/12/62	7:10AM	dab (~100µg)	no effect.
	9:58AM	2.1 mg	no effect.
	10:43AM (+45min)	1.9 mg	no effect (at 4 mg).
12/62. Robert reports maybe something at 25 mg. (11/28/62)			
1/6/63	Robert	distinct - wakeful (amphetamine-like) - hypnagogic imagery - could not sleep at night with mind doing many uncontrolled tangential busy things - (Big Sur?) - off [with] dramamine & wine	
(50mg)			
~5/67.	AF	5 mg	- fleeting nausea.
	AF	10 mg	- intense experience.
		+15 mg	- on for 24 hrs. childhood reminiscences - xmas trees
	AF	25 mg	- 1 hr add to total of
		70 mg	= 100 µg LSD

[Editor's Note: The following was pasted on top of [Page 48](#)]

## II BTMA

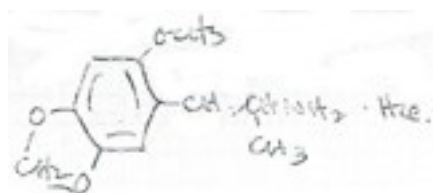
- 1) 5 mg (IG) no effect
- 2) { 10mg (RT: very suggestible) - emotional  
15mg after 90' — reminisces, imagery
- 3) 100mg (KT) no effect
- 4) 120mg (IG) comp. to 75 µg LSD
- 5) 150mg (BD) " " 100 µg " or 180 mg TMA-1
- 6) { 100mg (OA) comp. to ≤75 µg LSD. Followed at 90' by  
80mg —> " " 100 µg "
- 7) 180mg (PC) More intense than 200 mg TMA-1

Conclusions: Threshold not directly ascertained. Probably at  
30-50mg, both the react is of S<sub>3</sub> 2 and 3 being exceptional  
(threshold in general is about 25% of effective dosage)

Effective Dosage: 150-180mg

Comparison to TMA-1: more intense reactions in smaller dosages in two  
(5 and 7)

## Subacute Effects of MDMA-2



90.5 mg (as HCl)  
at 170 lbs.  
≈ 1 mg/kg (as base)

MDMA-2      XIV-76.

-	11/17/62	11:30AM	ATS	dab.~1mg?	no effect.
	11/19/62	7:15AM	ATS	2.3 mg	
		8:05AM		3.9 mg	
±		8:30AM		4.2 mg	Σ 10.4 mg    marginal effects - <a href="#">see page 50</a>
	11/19/60	1:10PM	MD	0.40 mg	no effect - no dilation not hypersensitive.
++	11/21/62	7:00AM	ATS	15.7 mg	175 µg/kg. effective dose <a href="#">see page 51</a>
			RT	7 mg	no effect
	9/3/63		RT	15+10 mg Σ25	thorough. <a href="#">page 109</a>
	3/14/76	10:30AM	ATS	8 mg	no effects
+	1/1/77	12:00noon	ATS	16 mg	~10% window starting at ~1hr~ - uncertain at 3 hrs - completely gone at 6 hrs. New Years Day [with] (Chuck) - fair chess - outside normal
±	1/16/77	11:00AM	ATS	24 mg	[1:15] some paraesthesia twinges [2:00] lightest of thresholds [3:30] largely clear. Are the reds and oranges enhanced at [5:00]?

(continued, page 215)

letter TA 2/11/77 - steep dose-response curve;  
4 at 50 mg: 1 profound for 24 hours; 1; in  
sensory flood, to forest; 1 enjoy; one almost  
imperceptible q.v.

[Editor's Note: The following was pasted on top of [Page 49](#)]

III MMDA-2

Andrew French's notes.

- 1 - 10 mg (BR) no effect
- 2 - 15 mg (CA) increased empathy for 20 hs. (??)
- 3 - { 15 mg (DT) slight headache after 45'. After 90':
  - 20 mg no change. After 60' of 2nd dosage:
  - 20 mg, adding up to 55 mg. Threshold effect.
- 4 - 40 mg (EW 180 lb). Compare to 75µg LSD
- 5 - 20 mg (EW) no effect
- 6 - { 20 mg (NS) no effect
  - 20 mg " "
  - 20 mg — (totaling 60 mg): after 60', alternating between nausea and deep relaxation.

Conclusions:

~~Threshold: Probably about 40 mg (in spite of S.2 under~~  
~~and S.4, over~~

Threshold:

S<sub>3</sub>'. 2 and 4 reactions are consistent, indicating thr. of ± 15 mg  
" 3 " 6 " " " " " " 50 "

Psychologically the latter are undoubtedly armored beyond the average. Threshold probably ± 20mg

Effective dosage - probably ± 60 mg



Possible marginal effects from  
MMDA-2

11/18/62

Dose - 10.4 mg orally  $\approx$  115  $\mu$ g/kg -

The bulk of indications show a good chance that this level is active - if so - then 150 or 80  $\mu$ g/kg may well be an effective dose and will therefore be maybe 25 M.U. This would have wooly implications, strongly challenging the indole mechanism theory.

At 10:00 mentioned to Luther possibility of effect - as if I had been drinking heavily the night before - a slight unreal feeling - 10:20 there was pupillary dilation (~30%) - right eye, as usual, more than left. 10:30 - unreal feeling completely believable - slight muscular poisonings - warm feeling in genitalia - no nausea. Slight diarrhea. Lunch (12:00) eaten well but felt mouth didn't work right - this is very similar to DMMDA. see page 36 at 4:45. This must be verified at first opportunity. 2:00 PM - dilation gone - muscles all OK again.

## Subjective response to MDMA-2

11/22/62

Date 11/21/62 - amt. 15.7 mg or 175 µg/kg calculated as free base and [with] body wt. at 170 lbs. Observers aware of experiment in progress Luther, towards end KJ. Below is transcript of my actual written comments during intoxication [comments in brackets added now]. All times corrected to 0 hrs

0            in 15.7 mg

0:50        initial dizzy

1:10        I have intoxication slight - no pupil dilation

1:20        tingle in legs - teeth rubby - I have the "dizzy-hood-over-head-descending" feeling [see below].

1:30        going under - my mind won't concentrate on my chemistry [I enjoyed this part, see below].

2:00        very few toxic effects - mentally I am clear when I talk - what is the matter with me. It is as if I were dizzy, but I am not dizzy.

2:10        the mescaline hints are strong again (back of hand, color of sp. shirt [sport], - surprisingly little toxicity of body.

2:22        Here are 2 scientists at work [see below] pulse 80 saw KJ

2:30        scientists still at it - shame only I can be appealed to. My thoughts are worth so little.

3:00        ended talk with Mike

3:20        start out

3:40        eat OK

4:10        OUT OUT

[there were about three short relapses, for a minute or so, after this - one at 4:45 - one at perhaps 6:00 and one later - each brought the thought that I was going under again, but the thought was promptly forgotten. PM sleep fine - next A.M. no effects at all.]

[page \[51\]](#) continued:

This drug showed several effects that are best explainable in terms of TMA and of mescaline.

The overall effect, described on [page \[51\]](#) as "dizzy-hood-over-head-descending" is directly from TMA. In it one has good vision, good sense of hearing, and can think and talk satisfactorily. It is that something all around you, possibly over you as well, is restricting you, from the world. An extremely loud noise, deafeningly loud, which you can't hear. One may sit for a while, be aware of being able to think well, no problems, to stand up with the stated conviction that the whole thing is psychosomatic, an imaginary illusion, but there it is - the DHOHD all around you. True, you can't hear it, see it, feel it, but you know it is there - no one else around you is ever aware of its existence. With MDMA-2 it was there for a couple of hours. With TMA it appeared and actually closed in on me, eventually to the point of threatening to cut off my vision and my hearing. Perhaps [with] MDMA-2 at higher dosages it may close in too. If so, watch for TMA-like hostility.

One thing must be said for this "hood-effect". It in certain ways insulates you from extraneous distraction, if you want it to. Admittedly, sounds, sights come through, but you can ignore them - at higher levels, without doubt, you will have internally generated sounds and sights to help distract. Perhaps this is a valid imitation of initial schizophrenia.

The philosophical flexibility and wit were very reminiscent of mescaline intoxication. As recorded in my notes "my mind won't concentrate on my chemistry". Actually this was said because I wouldn't trust myself to correctly weigh out several samples of a material in the lab, for aq. screening - I couldn't be sure of the right weight, right

continued from [page \[51\]](#)

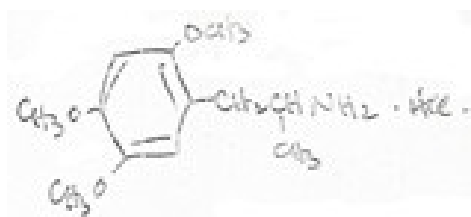
11/22/62

bottle, etc. But the play of my own chemistry, (biochemistry) [with] the drug, coupled with the lack of mental concentration, gave rise to a humorous train of thoughts. This mescaline-like philosophy was present again in sitting in my office, looking through the window into the lab, and seeing Earl Knox and Doug Conway intently discussing a problem. [I was aware, that they were preparing to set up the zone-refiner for the purification of Benzine acid..]. I could watch the show, strip away the hypocrisy of it all, and recognize the farce inherent under all their acts. Quite a movie and it went on and on. But I was the only one watching, and I knew it was worthless for them to try to impress me.

The absence of physical toxic manifestations ~~were~~ was noted and appreciated. There were very little muscular effects, slight eye dilation, no nausea; however, the thought that it might be difficult to urinate recurred (as with DMMDA). Slight difficulty during intoxication, none afterwards.

## Subacute effects of TMA-2

11/23/62



TMA-2 XIV-108

date	time	amt.	notes.
11/23/62	4:20PM	400 µg	
11/24/62	2:15PM	2.9	
	3:00PM	2.0	
	3:30	2.8	Σ 7.7 no effects.
11/26/62	6:00AM	11.5 mg	
	6:53AM	13.8 mg	Σ 25.3 mg extreme over-dose see -> <a href="#">also 64</a>
7/24/65	RT	10 mg	<a href="#">see page 108</a>
~7/3/66	<u>via</u> AF	15 mg + 15 mg	no black out. visual. considerable insight, also nausea & vomiting. stated ≈ 100µg LSD.
~2/6/67	RT	15 mg	at 5:00 PM - by 6 or 7 aware - peak 8:30 pm. 10:30 sleep but awake at 2:30 AM still going on. Descent of shining letters on a chain-watched letters go by - but they didn't spell out anything. Took seconal - GI upset gas - cramps.
early 67? [with] AF ~40 mg - not overwhelming - ≅ 100µg LSD. falls short - sexual			

[Editor's Note: The following was pasted on top of [Page 55](#)]

TMA-2		eq. in LSD.
1	(FJ) { 10 mg, followed after 90' by 10 mg —————>	25 50
2	(KB) 20 "	50
3	(TS) 20 "	75
4	(GM) 30 mg	75-100
5	(CA) 40 " [ >60mg TMA-6]	100
6	(TP) 40 "	100
7	(HC) 40 "	75-100
8	(OA) { 30 " [ ~60 mg TMA-6] +30 "	75 100
9	(IH) 50 mg	100-150
10	(DT) 60 " grump setting	75-100
11	(JB) 60 " " "	75-100
12	(IG) 60 " " "	100-150

Remarks: 1) difficult to compare with LSD because  
          of qualitative difference: tranquil, non-dramatic experience.  
          2) best results w. 40-60 mg  
          3) Qualitatively different from TMA-1  
              but comparable to TMA-6. Also different  
              from MDA & MMDA.

Chronology of Intoxication and Description of Effects

This from a Dow  
report GP 1039

All times in the following are stated times from the first ingestion. Observers' notes have been interwoven when appropriate.

0:00

Ingestion of 12.5 mg (as hydrochloride) or 140 µg/Kg as the free base. (There had been no food consumed during the previous 12 hours.)

1:00

Ingestion of a second 12.5 mg. (TMA-2 has a very slight alkaloid-like bitter taste - neither unpleasant nor lingering.)

1:20

Pupils show slight dilation, light muscular tremor, initial nausea, and an onset of diarrhea.

1:30

Cholinergic effects moderately severe. Teeth are chattering and vibrate when rubbed together. Pulse 80.

1:40

Only a moderately severe nausea is left. As has been observed with LSD-25 intoxication, the symptoms of nausea are complete, except for the desire to vomit. This phase receded over the following 20 minutes. Pulse unchanged.

2:00 to 3:15

During this hour, the complete syndrome, except for intense color effects, of severe mescaline intoxication developed. There was essentially no nausea, and the world was filled with distorted, moving things, all quite humorous. Peoples' faces were grossly distorted, and there was very little thought or worry of personal safety. Muscular coordination quite good. Time passed slowly. Conversation both coherent and clear.

3:15 to 4:30

At about 3:15 the first indications of still further mental and physical capitulation to the drug became evident. A numbness of the fifth, and part of the fourth, finger on the left hand was frightening, and the recovery of his "asleepness" constituted a mechanism of preventing further inundation. Compulsive massage controlled this physical dissociation although asleepness of the

knees, muscular and abdominal cramping also began to occur. In cycles there would be periods of relative simplicity followed by periods of nausea which could be relieved in part by attempted (but unsuccessful) vomiting.

Simultaneously with the physical cycling occurred a mental, intellectual occultation that, fortunately, possessed a different period. From the beginning of this hyper-mescaline stage (about 3:30), waves of near-unconsciousness occurred. The hallucinatory motion-of-real-objects became unavoidable and overpowering. Periodically, at the crests of cycles, an impression of fainting would occur, and it was felt certain that to lose the thread of return would mean never to recover mental integrity.

Fortunately times of mental and physical stresses did not correspond. Subjective time was badly distorted. A short visit to a dark room was unbearable due to the active and frightening hallucinations.

#### 4:30 to 5:35

At about 4:30 a return to a recognizable "mescaline-intoxication" was the first believable indication that there would be an eventual recovery. A drive through the countryside proved to be extremely humorous and enjoyable, comparable to peak effect at about 500 mg mescaline.

#### 5:50

Rapid recovery from the above effect. Increasing periods of lucidity. Completely unable to eat anything.

#### 7:00

Able to drive a car without misadventure. A mild stomach ache was the only remaining physical symptom. Occasional touches of unreality did still occur but were completely controllable.

#### 12:00

No remaining effects. Appetite good. Sleep normal.

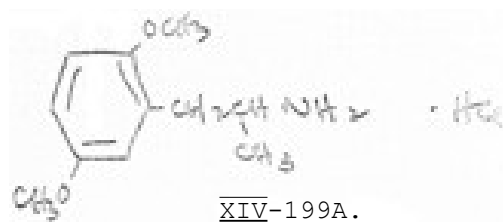
#### Conclusions

This drug, TMA-2, has an apparent potency of 20 to 25 times that of mescaline, and perhaps 10 times that of its structural isomer, 3,4,5-trimethoxyamphetamine. If more complete studies show no increased toxicity for TMA-2 (all amphetamines so far have been similar to one-another), the improved therapeutic index (x20) would warrant the consideration of this chemical as a substitute for mescaline in psychotherapy and in clinical uses.



## Subacute effect 2,5-DMA.

1/29/63



date	time	amt.	notes.
1/29/63	8:15AM	dab.	nothing.
1/30/63	9:50AM	2.3 mg	nothing.
2/1/63	10:40AM	5.0 mg	slight bitter taste
2/5/63	7:12AM	8.4 mg	no effect
2/11/63	7:17AM	13.3 mg	stomach ache in PM Probably due to eating too fast at 12:00. slight teeth rubby. - no effect (?)
2/28/63	7:23AM	20.8 mg	unreal morning - nothing definitive - possible.
3/8/63	5:50AM	35 mg	thorough effect - <a href="#">see</a> <a href="#">page 58</a> . stimulant & intoxicant. <u>not psychotomimetic</u>

note extreme sim. to 4-MA ([p 141](#)) at 2x dose.

Subjective response to  
2,5-dimethoxyamphetamine

3/11/63.

Trial 3/8/63. 35 mg XIV-199A as hydrochloride - see page [57].

Taken orally at 5:50 AM. Walk to lab

Times from 5:50 = 0 hrs.

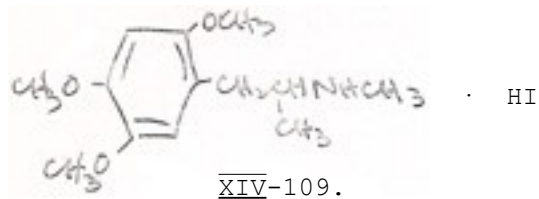
- 1:15 just leaving canal - almost at lab. suddenly quite dizzy - had forgotten all about experiment - was looking at feet to keep from getting wet in grass. vertigo - onset of intoxication quite sudden. There was a closed visual field, then just high.
- 1:40 } High - quite coordinated - Talking [with] Luther enjoying  
2:20 } this quite thoroughly.
- 2:30 To library - literature search on this compound - quite coherent.
- 2:50 I am carrying myself off OK. quite high - can think clearly - can maintain train of thought - no apprehensions - have distinct feeling in chest as if blood pressure too high.
- 3:20 Still showing extreme amphetamine stimulation - must intentionally move slowly.
- 4:30 Coming back to normal
- 5:30 all OK.

PM. - distinct stomach ache.

This has all earmarks of a stimulant and intoxicant - essentially no visual or intellectual distortion. Definitely - this is the active level, and this drug is not a psychotomimetic.

## Subacute effects of N-methyl TMA-2

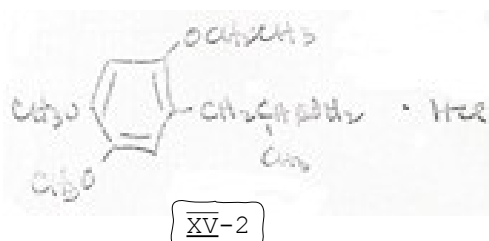
12/27/62



date	time	amt.	notes.
12/27/62	7:00 AM	dab.	nothing.
12/28/62	7:15 AM	3.2 mg	possibly dizzy or lightheaded - old hangover effect - maybe was old hangover?
12/31/62	8:30 AM	5.4 mg	nothing
8/22/63	7:00 AM	9.4 mg	nothing
~7/10/76	30 mg	J. Marks	n.e.

## Subacute effects S-1502

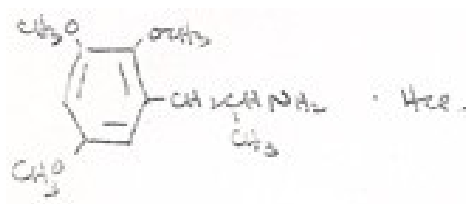
1/31/63



date	time	amt.	notes.
1/31/63	8:00AM	dab.	10:00AM trivial nervousness nothing more.
1/31/63	same day 2:30PM	1.0 mg	no effects.
2/4/63	7:35AM	2.3 mg	no effects.
2/6/63	7:15AM	5.2 mg	no effects.
2/11/63	7:15AM	8.6 mg	no effects.
2/20/63	9:00AM	13.8 mg	no effects.
3/7/63 - salt turning yellow. sign of decomposition.			
3/20/63	7:10AM	20.0 mg	Σ27.2 rextalized (IPA; ether) just before use. no effect.
	8:40AM	7.2 mg	

## Subacute effects of TMA-4

3/17/63

See  
XV-49

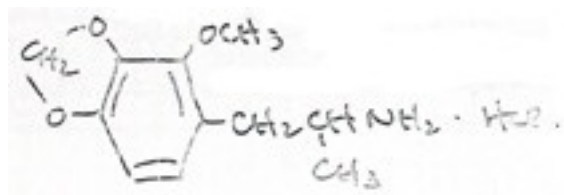
date	time	amt.	comments.
3/17	12:30PM	dab (as oxalate)	nothing.
	3:10PM	2.2 mg as $\cdot\text{HCl}$	} 4.4 mg.
	3:50PM	2.2 mg as $\cdot\text{HCl}$	
3/18	7:10AM	7.3 mg	} 12.1 mg    no effect.
	8:05AM	4.8 mg	
5/25/63	11:25AM	18.7 mg	quite bitter - no effects.
6/15/63	8:10AM	26.3 mg	no effects whatsoever - no dilation.

~8/67 - AF - what I have left.  $\sim\sim \cong 50\mu\text{g}$  LSD.

TMA-4 (80 mg?) concern about life issues, introspection, for almost 6 hrs. NO subjective physical symptoms. Comp to  $\pm 50\mu\text{g}$  LSD. comparable to 120 mg TMA-1, for me.

## Subacute effects of MDMA-3a

2/7/63

(XV-17) MDMA-3a

date	time	amt.	notes.
2/7/63	2:30PM	dab (~100µg)	no effect.
2/19/63	8:00AM	1.1 mg	} Σ3.3mg no effect.
	9:00AM	2.2 mg	
2/26/63	7:15AM	5.4 mg	} Σ9.6 probably no effects- conceivably some muscular cramping (legs) in early PM - awareness of unpleasantness of eating at 12 noon - mouth unfamiliar- go carefully higher.
	8:15AM	4.2 mg	
3/7/63	7:30AM	15.1 mg	in all likelihood marginal effects- quite an unreal world but <u>no</u> loss of mental equity- some malaise - 9:00 AM- dusty tongue - pupils dilated 9:10 curiously awaiting effects that never came. effective dose maybe 25 mg?
6/8/63	10:15AM	20.0 mg	effective dose - <a href="#">see page 66</a>
in Chile- ~3/66	via Andrew	1) 40 + 40 mg (at 3 hrs)-24hr effect. 2) 100 mg to 100 lb female - foetal retreat 3) 100 mg to insomner - 4rhs REM's - 3 trials suicide. 4) Andrew 100 mg - all cold and burning.	

[Editor's Note: The following was pasted on top of [Page 62](#)]

IV MMDA-3a

1	40 mg	(KD)	no effect
2	40 mg	(ML)	increased communication, imagery -> 6 hs.
3	50 mg	(OA)	comp. to 75 µg LSD. After 90 ',
	30 mg	->	comp to 100 µg LSD
4	80 mg	(LB)	" " " (followed by attempted suicide)
5	80 mg	(AF)	" " " (unusual peak. exp. after 5 days)
6	80 "	(HB)	" " "
7	100 "	(QN)	" " " (at least).
8	50 "	(RT)	brought about psychotic episode, days duration
9	80 "	(KD)	comp. to 100 µg LSD

Conclusions:

Threshold: Not clear. Probably ± 25 mg, inspite of 5 & 1.  
effective dosage ± 80 mg

qualitatively · More illusions than MMDA 1 or 2

" " " TMA-2 " 6

" 'magical, mescaline-like

aftereffects or coincidences?

Subacute effects of  
Salvia divinorum

3/15/63

Attempt to confirm and evaluate the use of leaves of the Shepards (S. divinorum) as an intoxicant or as a hallucinogenic plant.

Date.	Consumption.	Comments
	AM.	
3/15/63.	7:40 1 leaf 1.3g	These leaves were large,
7:45 1 "	1.5g	older, leaves from Luther's
7:50 1 leaf	1.6g	greenhouse. Eaten
7:55 "	1.0g	without difficulty. Distinct
7:56 "	<u>1.2</u>	taste of bad spinach - no
	6.6g	bitterness to speak of -
		some after taste. There
was probably no effect. Possibly slightly unusual feeling at		
1/2 - 1 hr. but this as extremely subjective. 2 hrs		
later nothing. Possible diuretic effect - urinated three		
times in this 2 hr period; copiously. Also had drunk		
lots of coffee, so....		
5/28/63	10:50PM several small leaves	These were leaves
	Σ 5.0g	which were left from
	11:10PM several more, 5g->10g	the primary and making
		cuttings of one of the
plants LF brought to the lab. Unfortunately prior to this trial I		
had consumed both dinner and a corresponding amount of wine.		
There was possible lightheadedness, but nothing dramatic, and		
certainly ascribable at least in part to the wine. Taste not at		
all unpleasant. An intensification(?) of the (wine) intoxication		
provides sufficient justification to build a green-house. Am doing.		
~8/5/63	20 g - possible transient funny - not too	
	believable	
~8/10/63	Robert 20 g - initial face puffy. not too believable either.	

continued- page 96.



Further details on the TMA-2 experiment  
of 11/26/62 - [see page 54-55](#).

Sitting with Luther - between tendencies to faint.

I am sitting rubbing the fourth and fifth fingers of my left hand. This one of the last contacts with reality. Somewhere I have read that malingerers (those who sham illness to avoid obligations, however you might spell them) during subscription to the services, generated partial paralysis of the hands, and described what was known as the glove effect. The initial paralysis should embrace the termini of the fingers, a more complete effect embracing the hand itself, a total effect inactivating the entire lower arm. In some elementary course in psychology I have learned that the true physiological sequence of manual paralysis extended vertically through the fingers.

For possibly this reason of knowledge, for possibly the reason that it really occurred this way, the little and part of the ring finger frequently went to sleep and the recovery from this "asleepness" constituted one real mechanism of recovery of the "same" world.

I have always had a morbid fear of various parts of the body going to sleep, in that if the asleep portion should embrace more and more of the whole body, that the disconnection of the mind and soul should be permanent, if and when the head or heart should, in turn, fall asleep. This memory and compulsion were sufficiently acute that I would not, and could not let the numbness of my left two fingers spread. I rubbed them incessantly.

The body was experiencing, simultaneously with these effects, muscular and abdominal cramping of sizable proportions. In cycles, there would be periods of relative simplicity, where massaging of the knees and thighs would seem to be a satisfactory placation to the immediate ataxia experienced. These would be followed by periods of nausea which could be

relieved by attempted (but unsuccessful) vomiting. Still, during these latter periods the impression was held that to curl up in ones own world and not to have to face the proprieties of laboratory life, would be ideal.

Simultaneously with the physical cycling seemed a mental, intellectual oscillation that, fortunately, possessed a different period. Once the mescaline-like intoxication had been displaced (the beginning of this middle period), waves of near-unconsciousness would occur. The motion-of-real-objects pleasure of mescaline became a thorn of existence in an unreal world. Periodically at the crests of cycles, an impression of fainting would occur, and to lose the thread of return, would prelude recovery of mental integrity. Fortunately times of mental and physical stresses, both individually almost uncontrollable, did not correspond.

The assurance was held that this mental frugality was permanent. Requests to my observer, as to when the experiment would end (his guess as to duration and as to when I would exhibit normal behavior, prompted me to try to achieve certain actions in a strained coherent manner, that would be acceptable as "normal". Luther, of course, could give me no believable guess. In this light, I left him and went to the library unattended; also I proof-read and signed a letter to Brad. In near panic, I returned to the safety of my observer, convinced that my present state was irreversible and that I would have to adapt to life, henceforth, filled with learned actions (to appear sane) and frequent visits to the mens room (to release nausea).

Subjective evaluation. MMDA 3-A-  
see page 62

6/8/63  
written 6/11/63

Time 10:15AM (0 hr.) - dose 20.0 mg as HCl MA-> 245.5  
->209 free base, and at 178 lbs or 80Kg -> 210 mg/Kg oral dose.

Chronology. -this transcribed verbatim: [except brackets]

11:30-12:00 (1 1/4 - 1 3/4) aware

12:10 (1 11/12 hrs) decide not to tell MW [this all was at farm, sat.]  
Seem to be aware that the max is controllable.

12:20 (2 1/12 hrs) time creeps - marvelous world [of] insects,  
the -OCH<sub>2</sub>O- really rewards me.

12:45 (2 1/2 hrs) try eating - completely confident - will use  
~~wine~~ [crossed out] 7-Up.

1:15 (3 hrs). if it stayed forever like this, I would just  
have to let my apparent personality [concept can be  
recalled - see discussion].

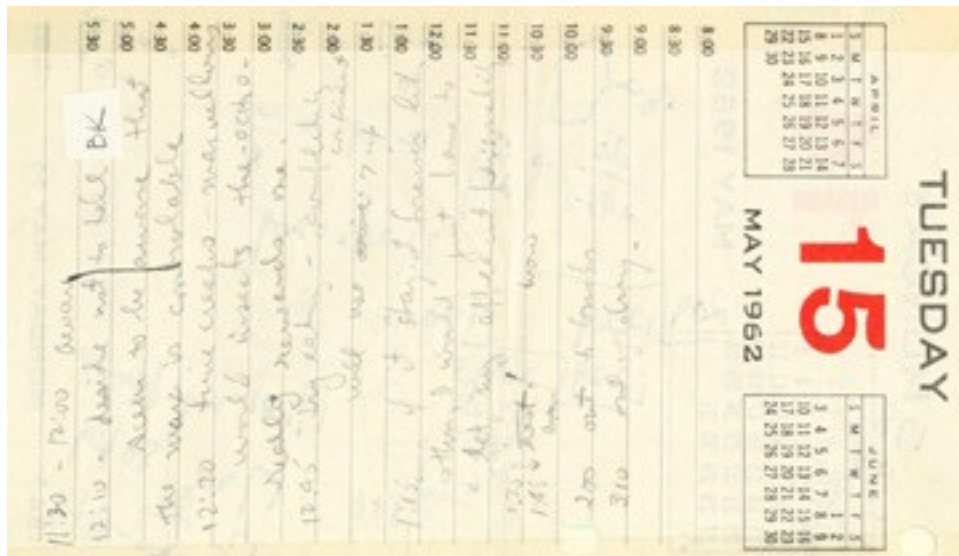
1:30 3 1/4 hrs  
                    ↓  
                    rest.

1:45 3 1/2 hrs

2:00 (3 3/4 hr) out to bricks

3:00 (~5 hrs) out of drug.

Elaboration upon, and explanation of this chronologically  
expressed diary follows. adjoining is the actual transcripts.



[Editor's Note: This note contains the identical chronology from [page 66](#)]

The initial dose was taken at the lab, as noted, at 10:15AM. Employing the analogy gained heretofore, there would be, comfortably, at least an hour before effects, if any, would become debilitating. During the 10:15-11:15 period of grace, I drove the incredible Studebaker truck to Lafayette to procure a 1/2 yard sand, and had a spirited contest with a highway patrol officer whom, I was certain, was more concerned with the 1/2 quart/10 mile oil-contribution to the smog problem than to my abilities as driver. In any event, there was no incident.

Sometime after an hour, I became aware of some intoxicative effect, while I was talking to the man who did the discing around the farm. I had opened two tall beers, one for him and one for myself, and although the day was hot, I could not drink more than a sip of mine. I immediately thought of the experiment and deduced that beer, regardless of how deficient in EtoH might have an adverse or confusing effect on the outcome. So I listened to him talk for 1/2 hr, while I made what must have been inane and inconclusive conversational ploys.

6/18/63

He left to make a phone call, and then returned to his tractor & discing equipment. I returned to my bricks and knew that it would be futile to mix mortar. I could indeed

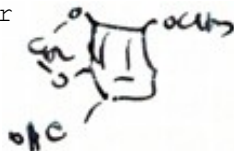
lay bricks if necessary, but I had no heart for it. The piles of bricks (some 20 bricks high, i.e. 2x10 or about 2 ft.) had that "continuous-in-motion" style of falling associated with mescaline, see page 2. It was extremely enjoyable to watch the bricks in continuous performance.

At this time I had my first serious thoughts about telling MW of the experiment, but decided not to. Somehow, I knew that ~~if I could~~ I could probably fool her, and her not knowing would provide me with convincing evidence of the apparent normality of my actions. There was also an element of selfishness in it as well. Incidentally, there was quite extreme pupillary dilation at this point—there had been absolutely no indication of nausea or physical malaise with this material.

[I have just read (6/18/63) that, although the route I had used in the synthesis of this material



has been reported (JACS) and confirmed (MW) as yielding the isomer shown, a report in JACS recently claimed the generation of the lower melting isomer



in equal amts, which would have led to MMDA 3b.

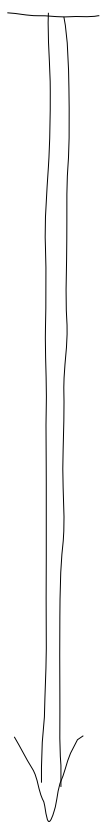
In my notes, I observe that I did not characterize the aldehyde from this formylation, but converted it directly to the nitrostyrene [with]  $\text{EtNO}_2$ . This olefin was nicely obtained only after recrystallization. Although it is a 1001 shot, it is inconceivable that his response was due to MMDA 3b. The compound is certainly unique (sharp melting nitro-styrene) but its structure permits argument. The unambiguous

synthesis, through the testable nitro styrene of MMDA-3b, being pursued forthwith.] [ATS 8/29/63 - It was indeed MMDA 3a].

At about this time I became involved (as I had with mescaline) with the captivating world of insects. I found a measuring worm, and with great tenderness and patience picked him up, observed his fore - and aft "feet" and finally placed him down on a leaf and watch him acclimate himself. There was also a spider on the bricks, and I was compelled to watch him in action. I was grateful that I was not being observed, so that I should not have to appear dutifully employed. Time was quite slowed. I checked periodically with the kitchen clock - it moved quite slowly. It was necessary to move, intentionally, slowly, as to not exhaust myself.

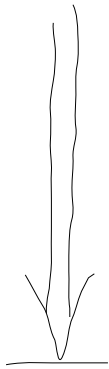
As mentioned in the chronological display [\(page 66\)](#) it became apparent to me the extent of the pleasure-giving (and possibly activity-enhancing) properties of the methylene dioxy group as contrasted to the analogic dimethoxy pattern. Compare: Gordon Alles reported grey doughnuts and more on ~ 126 mg, 3,4-methylenedioxy amphetamine, whereas there was nothing on the dimethoxy analog (same conference). This, at least supports the ~~poten~~ potency argument. There rests the enigmatic report of "no improvement over mescaline" description of 3-methoxy-4,5-methylenedioxy phenylethylamine. MMDA appears possibly more active than TMA, and distinctly of more gentle effects. Also, MMDA-2 looks to be comparable to TMA-2, but certainly none of the individual panic that accompanied TMA-2. Here, it is true, that TMA-3 is untested (in truth as of the moment still in the nitro-styrene stage, so still not even synthesized), but already, I am quite willing to at retest MMDA-3a, as it allowed a friendly experience.

At 12:45 P.M. MW made some sandwiches as lunch, and I volunteered to share them. My customary habit of a bit of Pinot C. [with] tuna sandwiches was converted to 7-up over ice. The sandwiches were uneatable. MW comment mid-way that the pickles were bad, and I was overwhelmed with the recognition that I was unable to distinguish bad from not-bad. Intellectually I knew that the sandwiches were O.K., but they filled my mouth unreasonably, and I gave up. Instead, I watched birds circling above the newly plowed field (we ate on the new patio) and sipped (and enjoyed) 7-up and ice.



The concept soon arose (in the notes, about at 3 hrs.) that this condition might be permanent. True, this consideration has often arisen before, with LSD, as well with TMA-2 and mescaline. However, with all these other materials, on all previous occasions, the rational had been set forth that it would be possible, even necessary, to learn and imitate the behavior of normal individuals so as to perpetuate the sham of normalcy. In other words, one could and must set about learning to act in an acceptable normal manner, so as to conceal the true state of affairs.

With MMDA-3a, the concept flashed but the mind was totally opposite and is recalled here as well as possible. Here, it was, as mentioned above, considered a real possibility that the changes observed might be irreversible. The challenge appreciated was not only to imitate "normal" behavior as would be necessary to fool ones associates but to plot an existence campaign of gradual change of personality so that, after a period of weeks or months, one could relax back into



this pleasurable escape and have it accepted as usual behavior. In other words, the capacity for intellectual plotting was, far from being lost, quite available.

It must be held noteworthy that both; 1). this was quite recherche concept was totally recallable, and; 2). this attitude may well represent the approach employed by endogenous schizophrenics, in the concealment of their problems. It further is undoubtedly coincidence that this concept first appeared under this specific drug. It might be me.

Between 3 1/4 and 3 3/4 hrs (~3 hrs was max. effect) I rested, on the pretense of sleepyness, actually to avoid brick-laying and also to try closed-eye effects. The results were questionable. I couldn't lie still. In pseudo-darkness, there would be some structured illusions as with LSD (commonly called eyes-closed hallucinations, but actually closer to the so-called brain-movies of MDMA. These were interpreted in an erotic framework, not unpleasantly extended by the awakening experienced by MW at 1:45 PM. If left alone, I could have enjoyed my own company. The effects were pleasant.

There was a precipitous decline of intoxication from here on out. Soon, there were no mental retreats, and thus laid bricks all afternoon, and had martinis before dinner.

Afterthought - test of car - drivability during intoxication. Probably impossible.

Overall conclusion . a) will explore upon MW or Robert soon; also, will repeat. pleasurable and perhaps rewarding.



6/17/63

SAR's

happy 38th birthday.

With the knowledge to date, and with the following assumptions

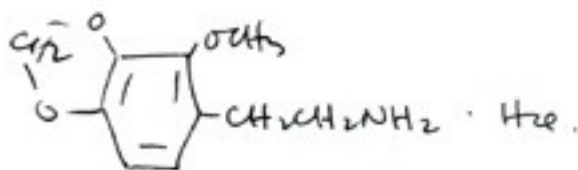
- 1)  $\text{O}-\text{CH}_3-\text{O} \gg \text{O}-\text{CH}_3, \text{OCH}_3$
- 2) TMA-4 is inactive, as is TMA.

One may take recourse into a diagrammatic representation of the TMA series:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I	○			○	○		○	○	○	○		○		○	
II	○	○		○	○		○	○	○	○		○		○	○
III	○	○	○	○	○		○	○	○	○		○	○		○
IV		○	○	○	○		○	○	○	○		○		○	○
V		○		○			○		○	○		○		○	

Subacute effects of  $\overline{\text{XV}}$ -104

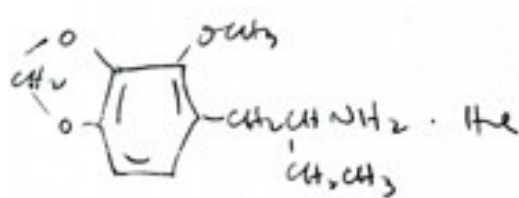
8/25/63



8/25/63	3:30PM	dab.	no effect.
9/1/63	10:40AM	4.4 mg	twinge of lightheadedness at 5 min (fluke) - then nothing - no dilation - no effect.
9/26/63	1:55PM	8.1 mg	(ate at noon) no effects.
11/20/63	7:07AM	13.8 mg	no effects.
			Sample to Robert 11/27/63
		40 mg (TS)	no mental - but as if a psychic energizer - excellent spirits all day.
		66 mg (TS)	mood elevation - <a href="#">see letter page 92</a> note DOW claims.

Subacute effects of XV-105

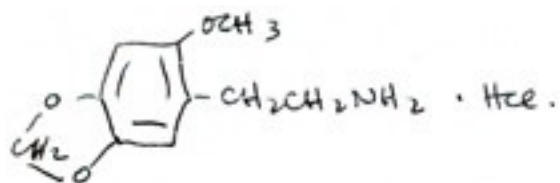
8/26/63



8/26/63	2:10PM	ATS	dab.	no effects - very bitter as after-taste.
8/27/63	1:10PM	LF	dab.	no effect.
8/29/63	6:30AM	ATS	1.0 mg	no effect.
9/7/63	3:50PM		1.9 mg	this ~3hrs after light lunch. no effect.
11/30/63	1:35PM		3.5 mg	no effect.

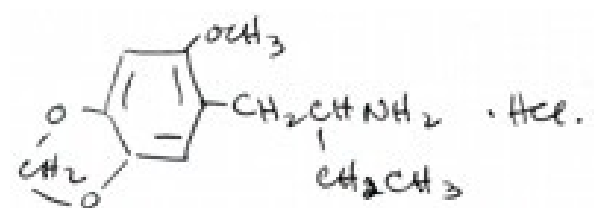
Subacute effects of  $\overline{\text{XV}}$ -106

9/2/63



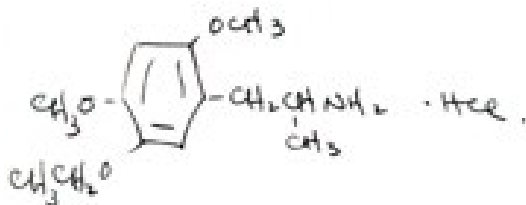
date.	time.	dose.	comments.
9/2/63	9:55AM	dab (0.6 mg)	
	1:50PM	2.6 mg	no effect.

Subacute effects of  $\overline{\text{XV}}$ -107



## Subacute effects of MME

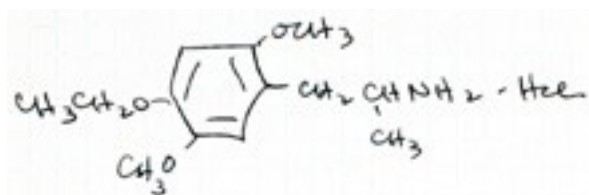
9/3/63



9/3/63	11:50AM	ATS	0.3 mg	nothing.
9/6/63	6:30AM		2.2 mg	} Σ 4.2 mg. nothing.
	8:20AM		+2.0 mg	
9/9/63	7:45AM		6.5 mg	9-9:30 maybe 10% dilate - teeth rubby wee bit strange. probably nothing.
9/16/63	6:40AM		9.9 mg	probably nothing. became a bit apprehensive then nothing - like 6.5 mg
10/25/63	7:17AM		16.3 mg	probably nothing. - unreal at ~9-10 AM. No dilation - no rubby. no toxins.
~4/5/64	6:50AM		24.8 mg	a certain amount of panic at ~10-15 min then nothing believable no effect.

Mouse toxicity 300 mg/Kg dead 5 min  
 175 mg/Kg convulsive twitching - dead 6 min  
 107 mg/Kg twitching - dead in 5 min  
 75 mg/Kg tremor - active behavior - OK  
 100 mg/Kg (5 mice) 4/5 dead (20 min) 1/5 OK.

Subacute effects MEM.  
XV-136.



date.	time	dose	effect.
9/14/63	3:55PM	0.8 mg	no effect.
9/25/63	11:30AM	2.2 mg	no effect.
9/30/63	9:34AM ✓	4.5 mg	} 7.3 mg possible teeth rubby & difficulty in eating at noon. probably no effects. no dilation noticeable.
	10:44AM ✓	2.8 mg	
10/3/63	6:35AM	10.5 mg	active, unquestionably see notes, page 80
8/~11/65	Robert	7.5 mg	marginal, perhaps.
8/18/65	Robert	12.5 mg	barely threshold. <a href="#">p 112</a> .
~6/66	Robert	18.4 mg	- peak at 3 hrs. - out at 5-6 hrs. no sleep at 7 1/2-8 hrs. took Nembutal. Effects color and visual intensity - wavering of visual field- distinct emotional euphoria. Extrapramidal tremors.
9/19/67	ATS	11.0	distinct threshold. <a href="#">p. 151</a>

[Editor's Note: The following was pasted onto [Page 78](#)]

MEM

Andrew's notes.

1. - 5 mg (HB) no effect
2. - 10 mg (JB) " "
3. - 15 mg (OP) Threshold. Duration approx. 60'. Reminiscence, anger.
4. - 20 mg + 30 mg (after one and a half hours w. no effect) onset of effects at  
    ↳ (CL) 50'. comparable to 75-100 µg LSD).
5. - 40 mg (JB) Comparable to 75-100 µg LSD, or 60 mg TMA-2.
6. - {20 mg (PO) Threshold. after 2 hs:  
    {12 mg (adding t. 32 mg): compared to 100 µg LSD.
7. - 30 mg (IG) " " " or 60 mg TMA-2
8. 30 mg (RT) " " " greater than 20 mg TMA-2

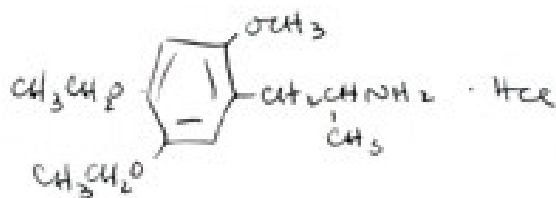
Conclusions: threshold at 15-25 mg (20mg enough for S 6 but not S 4)  
For 3 Ss, 30 mg compared to 100 µg  
For 2 Ss, 40 and 50 " " 75-100 µg

The latter seem psychologically more rigid and defensive. I would estimate in 30-40 mg the average effective dosage in psych-th.

Comparison to TMA-2: Apparently more active.



## Subacute effects of MEE

see XV-150

DATE	TIME	DOSE	EFFECT
October 1 1963	9:45AM	0.4 mg	no effect
10/8/63	7:50AM	1.0 mg	no effect
10/14/63	10:40AM	1.7 mg	no effect
10/17/63	10:15AM	2.8 mg	no effect
10/23/63	7:07AM	4.6 mg	no effect

## Marginal effects MEM.

10/4/63.

## Subjective evaluation

Time 6:35 AM (0 time for chronology.) dose  
10.5mg( $\cdot\text{HCl}$ ) orally in ~ 15cc water - at this  
dilution, no taste. M.W. 275.5  $\rightarrow$  239 or 9.1mg base  
at 184 lbs currently  $\rightarrow$  83.5Kg  $\therefore$  109  $\mu\text{g/kg}$

0:45 slight pain, base of skull - probably not related.

0:55 first intoxication - no sign of nausea at all  
was talking with J. Hull and felt initial  
dizziness - had to get up & move. Some  
physical poisoning in legs.

1:15 tell LR - I knew I was intoxicated (in EtOH  
sense) but was not apprehensive. At that time  
I knew 50% increase in dosage would have been  
too much. Slight dilation is any.

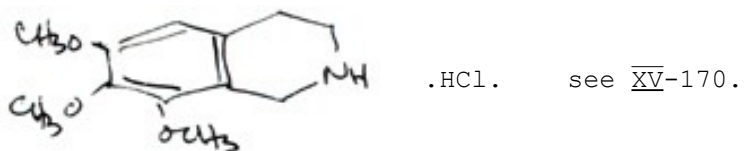
1:55 Mentally I seem to be O.K. or at least  
rapidly mending - physical toxic signs  
persist. A bit disappointed that if I was to  
be physically poisoned, that I shouldn't be  
mentally entertained in compensation.

3:35 Consume cookie from LR. clear as a bell but  
wish I could get out of noticeable but mild  
physical distress.

5:20 consume two hot sandwiches & beer. all  
over.

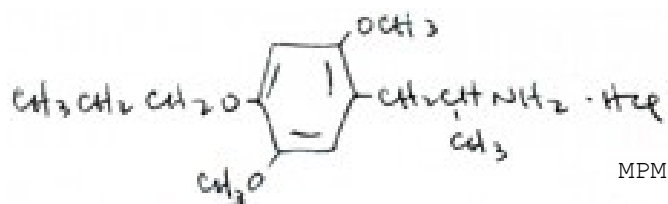
This is marginal but unquestionably real  
effect. - assume effective dose ~14mg as  $\cdot\text{HCl}$   
 $\therefore$  145 $\mu\text{g/Kg}$ .  $\therefore$  at mescaline MU=1 3.75mg/Kg  
this has 26 MU activity

## Subacute effects Anhalinine



date	dose	time	comments
11/12/63	0.5mg	6:12AM	nothing
11/14/63	1.7mg	11:05AM	nothing
11/27/63	2.6mg	6:52AM	at 4:30PM - vigorous diarrhea but then, hot salami sandwich and beer at noon. ∴ no effect.
12/2/63	4.3mg	6AM	Larry thought I was in a strange mood I didn't - nor did anyone else <u>no</u> <u>effect</u>

## Subacute Evaluation



See  
XV -171A

date	time	dose	comments.
11/26/63	3:25PM	0.3 mg	no effects.
11/27/63	1:15PM	0.9 mg	no effects.
11/29/63	6:15AM 7:35AM	1.6 mg } 2.7 mg 1.1 mg }	Probably nothing - some muscular and joint pains -æbut had been up since 3AM & was tired -æno effects.
~12/2/63	8:17AM	4.2 mg	no effects.
- 12/9/63	6:09AM	6.6 mg	no effects- muscular pains and slight headache for 2-3 days following - probably a cold - lay off all compounds for a few days - 12/17/63
- 5/4/64	7:15AM	9.4 mg	could kid myself marginal - <u>no effect</u>
- 3/20/67	9:45AM	11.6 mg	no effect.
± 8/26/73	10:30AM	14.0 mg	just barely threshold. This was 16 hrs post-absorb. At 3+ hrs - Very pleasant, enjoy-the-outside, marginal intox (clean behind the lab). My only profound found thought; "I could have a P.T. if I wanted to look for one, but I don't". At 4.5 hrs out. Thus- maybe a bit slower w. action than MEM, TMA 2? On page 151, 11 mg TMA = rich threshold (at 20 M.U., 20 mg = active dose here - ~17-18 = active threshold? ∴ 2/3, ∴ 14 M.U.??
- 5/13/77	9:00 AM	20 mg	[1:00] early evening? - n.e.

## Further effects of MDMA-2

9/3/63

Report by Robert

[also see p. 109.](#)

had previously taken 7 mg - no effect.

15 mg - +10

Total 25 mg.      Stomach cramps were  
primary physical complaint.

found effects very unpleasant - had  
distinct mental aberration - claimed as  
equivalent to 300 or 400 mg mescaline sulfate,  
1.0, effective dose.

as he is perhaps 70 kg and this is  $\approx$  21 mg base  
he took 0.3 mg/kg. - I shall keep  
the effective dose, still at  $\sim$  .2 mg/kg -  
this still is  $\sim$  20 M.U.'s

## Further effects of MDMA-3a

Report by Robert

first week or so  
November, 1963

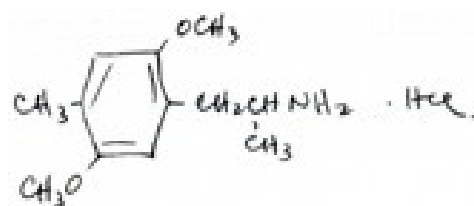
dosage 20 mg - no physical distress - at 1 hr.  
distinct euphoria - peak at 3 to 4 hrs -  
took sleeping pills 6 hrs. Felt to be  
some what more than marginal- not full.

in this - he confirms nicely my [page 66](#)  
results at 20 mg.

MDMA-3a is distinctly (though slightly) less  
potent than MDMA-2.

also  
stated  $\approx$  140 TMA

nor-oxy-4-TMA-2.

see XV-78

lets call it DOM  
[4] des-oxy methyl

date	time	dose	comments.
12/1/63	3:22PM	0.2 mg	no effect.
1/6/64	7:10AM	1.0 mg	almost certainly an effect!! ~10AM aware of slight dryness in mouth - eyes noticeably dilated - eerie feeling overall -12 eat- rather clears up. 2PM certain OK and I doubt all - P.M. fine - hip muscles hurt but I hiked 6 miles yesterday.
1/9/64	7:05AM	1.4 mg	very definitely effective <a href="#">see page 88</a>
2/3/64	Robert	2.3 mg	effective. <a href="#">see page 92</a>
between 2/8/64 and 3/10/64	Taylor	2.5 mg	trivial effect.
~8/64	Robert	3.8 mg	effective- initial communication- no effect for 5 hrs: had given up- it hit and peaked 8-9 - down at 10-11 - no color but mescaline rarely shows color. Equates to 300-400 mg mescaline
11/6/64	Simon	4.1 mg	thoroughly effective <a href="#">see page 102</a>

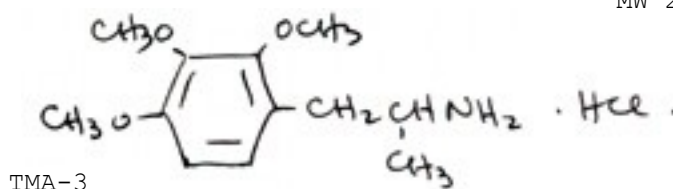
studies continued on p.212

[Editor's Note: The following was pasted onto [Page 84](#)]

If on this page I shall have  
expressed it to you then it  
is true that DOM has  
the glory and the doom sealed  
up in it. All that's needed  
to unseal it is to surround  
it with a warm living  
human for a few hours.  
For that human for those  
hours all the dark things  
are made clear.

Sub-acute evaluation.

MW 225 +HCl -&gt; 260.5

see XVI-13

date	time	dose	comments.
1/4/64	12:20PM	0.5mg	no effect.
	1:30PM	2.5mg	Σ 3.0mg - no effect.
1/12/64	2:30PM	6.2mg	19 hrs no food - no effect
1/14/64	7:35AM	10.6mg	no effect whatsoever. (113μg/Kg) as base
1/20/64	7:00AM	15.1mg	no dilation, no effect. (161μg/Kg)
1/22/64	7:07AM	20.6mg	at 8:31 possible touch lightheadedness- otherwise no assignable effect. (220μg/Kg)
1/28/64	7:00AM	26.6mg	trivial if any - must say, no effect at 300μ/Kg at 77Kg.
1/31/64	7:10AM	36.5mg	no effect - light diarrhea 2 hrs - headache PM.
2/5/64	6:50AM	51.1mg	o
	8:40AM	12.1mg	1:50
	9:45AM	14.8mg	2:55 Σ 78mg - no effect- no dilation- no diarrhea no believable diversion from complete normalcy. normal appetite

~8/67 Andrew ~100mg - physical effects - no psychosis.

→ This level, of MMDA for example ([see page 21-22](#)) very distinctly active - even at 55mg very noticeable. this is ∴ < MMDA - as first noticeable is going to be 7100 or >80 as free base /76Kg is > 1mg/Kg as base effect must be ≥ 2mg/Kg - as M.U. of 2.0 = 1.87mg/Kg

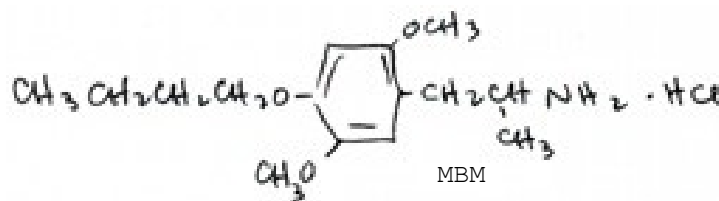
this is < 2 M.U.

end of trials - no more.

[Editor's Note: The following was pasted onto [Page 85](#)]

111mg?  
TMA-3 [≈100mg?] Physical sensations comparable to 100μg LSD,  
with no psychological effect, or threshold:  
passivity, mostly. Duration about 12 hs.

Subacute evaluation.

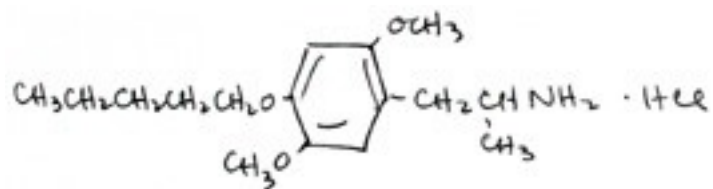


see XVI-14

date	time	dose	results.
1/7/64	7:00AM	~150 µg	no effect.
1/16/64	7:10AM	1.1 mg	no effect.
2/3/64	7:15AM	2.0 mg	no effect.
8/25/73	12:45AM	4.0 mg	no effect.
8/28/73	10:00AM	7.5 mg	no effects.
11/14/73	11:00AM	12.0 mg	no effects.



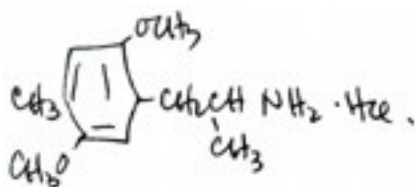
## Subacute evaluation

see XVI-15

Aug 24 1973	10AM	1.0 mg	N.E.
Aug 27 1973	10AM	2.0 mg	N.E.
Sept 2 1973	11:20AM	4.0 mg	N.E.
Oct 7 1973	10:15AM	8.0 mg	N.E.
Nov 13 1973	9:35AM	12.8 mg	N.E.
Nov 27 1973	10:30AM	16.0 mg	at 3:40 hrs (2:10PM) pressure in chest & head, no pulse change, no mydriasis- at 4:15 hrs (2:45PM) all quiet. ∴ N.E.

## Subjective effects of DOM.

Jan 9 1964

XVI-178 - 4-desoxy methyl TMA-2

Dosage - dissolved 1.6 mg as HCl in H<sub>2</sub>O - pipetted out 1/8 -> 1.4 mg  
 computed down to free base 1.19 call 1.2.  
 at currently 180 lbs -> 81 Kg = .0147 mg - 14.7 µg/Kg  
 thus - assume initial at 11 µg/Kg - max  
 differentiate at 20 µg/Kg - and effective  
 (useful) at 17 µg/Kg = 220 M.U. ! This is too optimistic  
 probably ~ 120  
 better value

Times corrected to 0 hrs at 7:05 - moment of ingestion.

- 1:15 - am talking to L. Hodge in his office - am suddenly aware of warm flushing and tingling in genitalia - the usual hint that I am going to be sick. My mouth is very dry. I want to leave and tell LF but I cannot for several minutes.
- 2:05 - teeth are quite rubbery - there is the feeling of heavy pressure on the ears - as if some one were squeezing my head - mouth has the taste of having smoked far too much the night before - (haven't smoked since 1962- no EtOH for 9 days). I would like to go outside and run away but I am afraid my heart wouldn't take it.
- 3:15 Morning is creeping along - I feel I am paying a physical price without any mentally distorted reward- I feel at this point - at a somewhat higher dose - this will be a psychotomimetic.
- 3:35 To greenhouse - distinct pleasure in looking at the lush salvia divinorum - the smell fits the appearance - signs of visual distortion - at a

somewhat higher dose things would creep and crawl.

4:00 Still at it - considerable hyperventilation - eyes dilated 10-15% over normal

4:25 I think I start out here - do not have any desire to eat but I do eat - and complete my lunch (chicken, banana, apple.)

7:10 eyes ~20% dilated - I am still shaky as if my body had had a vigorous drug blow - but mentally I am O.K. -

one or two more awarenesses in afternoon (at ~8, ~9 hrs) P.M. fine.

next A.M. fine.

MMDA Responses.

late - 1962

*[Editor's Note: The following are handwritten letters attached to the pages]*

**MMDA Response**

*One half hour after taking a dose of MMDA, I felt some nausea. This lasted for a short period (15-20 minutes) and seemed to be connected with cigarette smoking, which was discontinued for the rest of the day.*

*Then there came a temperature change - I had some chills and felt somewhat dizzy.*

*Finally my whole body became relaxed, languid. A wonderful feeling of peace and well being came about. It was such a joyous feeling. Everyone and everything around was harmonious.*

*The colors were overwhelming. I've never seen them so vividly*

*before. They seemed to take  
on another dimension.  
Time lost its meaning.  
Reflexes, senses, body movements  
all seemed normal.  
The only difficulty I experienced  
was at the beginning of the day,  
trying to light a cigarette.  
It took twice as long, I  
couldn't seem to judge  
the distance correctly between  
the match and the cigarette.  
It was a most beautiful  
experience.*

*Janice Dalton*

*MMDA ~ 200 mg Justin Kerr  
Received good feelings from  
dose which lasted four to six hours.  
Seemingly able to concentrate  
on things more so than usual.  
Feelings of peace, quiet, and  
contentment. Lovingly feelings  
for everything.*

4 Feb 64

Dear Sasha -

A quick report on DOM, since even if I called you would want something written.

1.0 mg, no effect, perhaps slight mood elevation.

1.5 mg slight mood elevation, a little greater than before.

3 Feb 2.3 mg. Mood elevation at 2-3 hours, after 3 hrs

emotional effects became more pronounced, enhancements of color also.

Very little distortion of perspective, no disorientation, no creeping or flowing, but color enhancement considerable. The emotional content

and empathy for others was closer to mescaline than to amphetamine, a welcome change. I would judge that this dose was comparable to 100

-120 mg of TMA (ie ~50x) but qualitatively different, in the

direction of psilocybin or mescaline. No suggestion of nausea at any

time; toward the end, 4-7 hours, some intestinal gas and flatulence,

perhaps not directly attributable to the drug. Major effects

declining at 8 hrs. Unable to sleep at 9-10 hrs, took 3/4 grams

Seconal. Headache next morning, and listless, more probably

attributable to Seconal. I would put mean effective dose = 3.0 mg

(mescaline  $\simeq$  330), or ~ 100x mescaline. This is a good one!

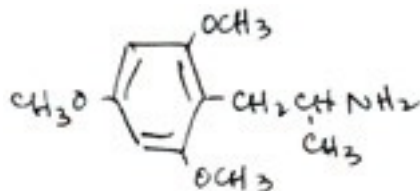
ERROR - HE HAD NEVER RECEIVED THIS FROM ME. HE MEANS  
2,4,5 or 2,3,4. By phone, he meant 2,3,4. 1/5/64

As for 3 methoxy, 4,5 methylene dioxy  $\beta$  phenethylamine, I am up to 65 mg with nothing more than a very pleasant mood elevation.

I'm not sure I have enough material to go higher than this, or for that matter, whether it is worth it with DOM here. Worth it for the record. I trust you will have gone another factor of 10 by the time you get this. When will you have the afternoon for Ann?

Regards, Robert

Subacute evaluation  
~~Subjective effects~~ TMA-6



TMA-6  
XVI-21

date	time	dose	results.
2/26/64	6:00AM	0.4 mg	no effects.
3/23/64	8:30AM	1.2 mg	no effects.
5/21/64	7:05AM	2.5 mg	could kid myself - trace starry- go slowly- no effect.
5/27/64	7:00AM	3.8 mg	slight shakes at noon - no effect.
7/1/64	7:20AM	5.5 mg	probable threshold level - at 8:30 there were the transient vertigo flashes - at 9:10 was aware of some intox. sat through seminar 10:30-12 with marginal discomfort. Ate lunch [with] worries of nausea - no nausea. bloated - early afternoon back to normal. maybe this is valid!
7/7/64	7:10AM	7.8 mg	} Σ 11.4 mg marginally effective dose <a href="#">see page 98</a>
	9:10AM	3.6 mg	
2/15/66 (tried 2/10/66)		<sup>11.7</sup> ~11mg RT	stated tried a few days earlier- marginal?
~3/5/66		<sup>18.3</sup> 18mg RT	nearly convincing threshold??? some eyes- closed imagery.
~7/3/66	via Andrew	30 mg + 30 mg	active visually. found pleasant.
1/31/67	Robert 5:00PM	26 mg	- active
	via Andrew	40 mg	- little effect to 2 psychiatrists
		60 mg	- mild
		40 mg	- in Chile : I am going crazy ≈ 100 µg LSD.

[Editor's Note: The following was pasted onto [Page 93](#)]

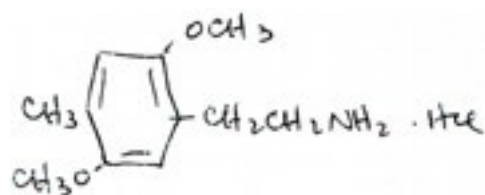
TMA-6                      equiv LSD

1. (ΔS)	{ 15 mg	>25    μg	
	{ 15 mg	50-75   μg	
2. (BR)	30 mg	50       "	
3. (SC)	40 mg	100      "	
4. (TP)	40 "	75       "	
5. (TU)	40 "	50-75   "	
6. (BD)	60 "	100      "	
7. (UV)	60 "	100-150 "	
8. (RM)	60 "	150      "	
9. (CA)	60 "	100      "	(<40mg TMA-2)
10. (VA)	60 "	100      "	
11. (QA)	60 "	100      "	(≈60mg TMA-2)
12. (TA)	70 "	75-100 "	
13. (WB)	80 "	100      "	
14. (OP)	80 "	100-150 "	
15. (OP)	60 "	75-100 "	

→! Discrimination bewteen 60mg and 80mg



Subacute evaluation.



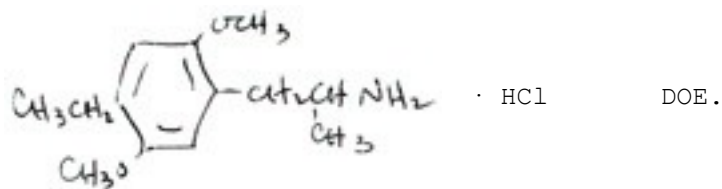
the 2-carbon  
analog of DOM.

XVI-43

date	time	amt.	effect.
3/2/64	7:00AM	0.3 mg	no effect.
5/6/65	6:00AM	0.75 mg	no effect.
5/30/65	12:15PM	1.4 mg	1:20-funny taste in mouth - no eye dil. no effect.
7/22/65	6:20AM	2.7 mg	no effect.
8/24/65	7:00AM	4.5 mg	9:00 teeth rubby- that's all- no effect.

[See more complete notes on page 175](#)

Subacute evaluation.



date	time	amt	effect.
late feb.1964	-	~.2 mg	no effect.
3/16/64	7:20AM	0.5 mg	Σ 0.7 mg - possibly a wee bit starry
	9:00AM	0.2 mg	and strange at 9:00 - no more -∴ no effect.
~7/24/64	7:00AM	1.0 mg	(weighed out-into water 1 mg/g - vol.). at 9:00AM decline more - there is a believable disturbance 9-12 noon - I think that this is a marginal level. If so- is more effective than DOM, maybe.
8/27/65	7:00AM	1.5 mg (ATS)	This is an unmistakably effective dose: <a href="#">see</a>
-			<a href="#">p. 110</a>
~9/28/65		1.7 mg	Robert yes yes - <a href="#">see p 111</a> .
		0.7 mg	Robert (day met Jen C.)
		1.0 mg	ATS (monday - after Sat in Reno).
~4/8/67	9:45AM	0.9 mg	David at ~12AM anxiety - build up of indoor- panic- outside- better at 3PM - under control 8:30 - PM funny - AM - to work - but head- ache- etc. next day PM OK - bed early.
~1971		2.0 mg	Mark IV- intense and immediate response - with an overwhelming effect equated to at least 250 µg LSD. None of the Snyder "non hallucinogenic" energizer - this was dramatically hallucinogenic and disruptive.

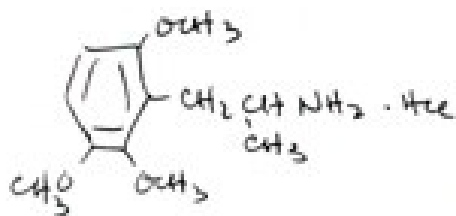
see page 213

Trials of S. divinorum[see page 63](#)base ⇄ on  
960g-> 30g.

Ingestion of "salvose" - the glassy extract from  
the first annual work up.

<u>date</u>		<u>amt</u>	<u>leaf equiv.</u>	<u>effects</u>
6/9/64	7:35	0.22 g		
	8:45	0.25 g	Σ 15 g	none
6/12/64	6:55	0.6 g	20 g	none

## Subacute evaluation



TMA-5.

<u>date</u>	<u>amt.</u>	<u>effects &amp; comments.</u>	
7/2/64	7:20AM	0.2 mg	} no effect on what must be considered effectively ~0.6-0.7 nothing.
	10:55	0.3 mg	
	11:50	0.3 mg	
8/5/64	7:25AM	1.0 mg	no effect.
8/14/64	7:30AM	2.2 mg	} $\Sigma$ 4.2 mg no effect.
	9:00AM	2.0 mg	
9/3/64	7:10AM	7.0 mg	very bitter. no effect.
9/17/64	8:10AM	10.1 mg	} $\Sigma$ 13.8 mg I could kid myself [with] activity - not probably real - no eye, etc. no effect.
	9:25AM	3.7 mg	
9/30/64	8:40AM	18.2 mg	10:30 appearance of slight stimulation - 11:30 hint of eye dilation. pulse 84. If this is the marginal edge of intoxic. then this is not a psychotomimetic but is a stimulant- go carefully.
~8/67	AF	~100 mg	30 mg $\approx$ 70 $\mu$ g LSD
TMA-5		30 mg	Languor and intense introspection. Duration 8-10 hs. Comparable to $\pm$ 75 $\mu$ g LSD, or more.

Subjective Response to TMA-6.  
see page 93

July 7, 1964

Chronology. - corrected back to 7:10 AM = 0 hr.

0 hr.	7.8 mg.	in H <sub>2</sub> O orally - virtually no taste. no eye dilation - no indication of any effects
1.5 hr		eat doughnut - 1st food 12 hrs.
2.0 hr.	3.6 mg.	no further effect.
4.0 hrs		had concluded that there was to be no effect - decided not to supplement dose however, as there was the slightest indication of pupillary dilation. I tell LF of failure.
4.3 hrs.		1st distinct awareness of physical and mental effects. Very disturbed as this indeed may be the crest of activity showing up and will subside - or this may be the start of a much slower onsetting actions. warmth in base of belly
4.8 hrs.		Eat lunch - no difficulty, unlike low levels of mescaline when eating (mouthing) of food is virtually impossible. I was loquacious in my discussions during lunch - seemed to be able to think clearly but still held too much anxiety. I remember the interesting urge to be ill, but not from the top of my stomach but from the bottom. Consequently vomiting would be

useless in relief, and had to urinate to release. There was no movement of things, no color effects, no paraesthesia.

6 hrs. Accepted opportunity to go to Western Regional Labs [with] MD. However the question of crest yo. onset of long action HF was not resolved so withdrew and stayed [with] LF. Since his LSD he is a excellent understanding observer. I don't know if I could count on MD. At least at this moment I didn't want to.

6.3 hrs First completely clear moment - 10 minutes or so. It was comforting to know it would clear.

~8 hs. all O.K. - felt quite tired - home - 2 drinks - good dinner - hot shower and slept excellently.

48 hrs post mortum - absolutely nothing.

This material appears to be of about the same potency, although considerably slower activity, as (than) TMA-2, of which I was occasionally reminded. Activity thus in the 15-20 M.U. level.



## Animal Pharmacology on DOM.

Jan 22, 1964. White mice Erica, T. Preston

40 mg/Kg (IP) 15 minutes-shakes- in 0.5 hr all animals have developed a strange shimmer, their eyes half closed. For the next hour they keep moving but in a scrunched up manner. Apparent recovery after another 2 hrs. AM OK. no dead. 0/5

60 mg/Kg (IP) 10-15 minutes there was head vibration - by 20 minutes there was a wild continuous leaping and compulsive somersaulting. For the next hour - clawing, vocalization. AM 1/3 dead. others slowly recover.

80 mg/Kg (IP) 5 min compulsive chewing; 9 minutes 1/4 dead. Second at 15 minutes. Others [with] severe clawing (all 4 feet) at 1.25 hrs 3/5 AM. 4/4 dead.

160 mg/Kg (IP) 5 min 2/5 14 min 5/5 dead.

Jan 31, 1964 -2/18/64 New Zealand Rabbits (Eble)

1 mg/Kg (IV) 2 rabbits - both showed tremor, difficult respiration, some cyanosis. 24 hrs. all normal

2 1/2 mg/Kg IV 2/2 dead

5 mg/Kg IV 2/2

10 mg/Kg IV 1/2



DOM

64,11,06

11/6/64

Subj Simon	Time AM	
Administered 4.1 mg as HCl	10:50	0
First Effects Shuddering	11:20	:30
Psychic Effects "Extended Time" might have noticed earlier if not conditioned	12:20	1:30
Full Blown Detachment Somewhat like Mescaline Color? Unfortunate Shudder Tight Jaws, relaxing Not cold or anything Little ataxia, can overcome 3D effects, B&W reversal stronger on closing eyes, can control	1:20	2:30
Effective Centrally Not looking forwards to doing it tomorrow or regularly Not motivated to sharing experience Pulse ~80 Dilation normal More arousing (like amphetamine) than depressing (like Phenobarb) Like Cocaine rather than Heroin Feels a little sick Time seems like next day.	1:30	2:40
	2:00	3:10

3:30	Hrs	Slight regurgitation - feels better - not sick
4 PM	5:10	Experience becomes pleasant (GREAT)
5 PM	6:10	<p>Never been like this  Visual experience - fragile hallucination  Pulsating colors, pastels  Meaning of color different - can't describe  Orange, came late</p> <p>Beautiful Experience  You MUST try it  Like nothing else ever experienced  Not as loaded as 2 hrs ago  Not really high  Detachment from but fascination with  a perceptual change — <u>the clouds</u>!  Dynamic experience —  Feels good, too —</p>
True	Relative	
6 PM	7:10	<p>Eyes dilated</p> <p>He said (12/10/64)  that of mescaline, peyote,  LSD, cannabis - all -  this <u>ranks number 1</u></p> <p>no sleep (1-1 1/2 at most)</p> <p><u>novel</u> &amp; pleasant.</p> <p><u>normally</u> no color [with] <u>me</u></p> <p>Saturday. AM - all OK.</p>

## Additional data MMDA.

## Lot #2

date	amt	rime	notes
5/16/65	4.8mg	1:50PM	nothing.
	20.2mg	3:00PM	$\Sigma$ 25mg. (ATS) nothing.

This lot to AF (MB) for work of August 1965. also to Hilltop for their pharmacology.

Subjective to MMDA.

Subject A. French  
obs. MB., ♀ Friend  
amt. 100mg/ .HCl  
date. ~6/5/65.

Could have believed that the mild euphoria was him, that day, but he knows it is MMDA. -> Took great pleasure in being open and talking about his own life.

- > Pleasure sharing his life with the others present.
- > How can one describe this state of inspired and enjoyable ability to communicate, of communication.
- > There were no autonomic problems at all.
- > Enjoyment of being ones own center, of being authentic.
- > At one time (~ 5 hrs?) [with] eyes closed, one color-view.

Subject ♀ friend MB (Nancy)  
obs. Andrew, MB [with] 300mg Harmaline  
amt. 100 mg  
date ~6/5/65

—> Suggest to Andrew that ♀ [with] 10 µg LSD might be more sympathetic to MB [with] harmaline. Use MMDA instead.

- > For 4-5 hrs. sat cross-legged without moving, [with] beatific smile on face
- > Seemed ecstatic - could not be bothered to close eyes.
- > At 4-5 hrs lay down, closed eyes and somewhat structured visions came. No fight to avoid or escape these visions.

MB's recount of ♀ friends effects

see page (116)

## Subjective DOM.

Subject Simon  
date ~6/1/65  
4.9 mg.  
in L.A.

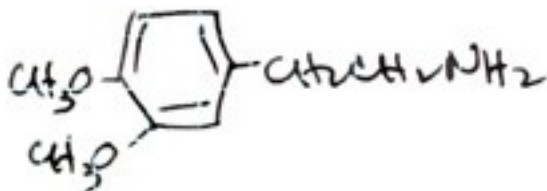
—> distinctive visual effects--but could  
check them out with a clear mind.

—> feels the psychic aspects overrated  
more an effect on eye systems, or on  
retina. As if the color sections  
were affected separately.

—> Chronology - again in two peaks--one is  
at normal time, and might be missed as it  
is quite inconspicuous . The other occurs after  
several hours.

—> By his own admission, this was an extremely  
emotional period (had just lost his young son)  
and he perhaps was incapable of  
psychic response.

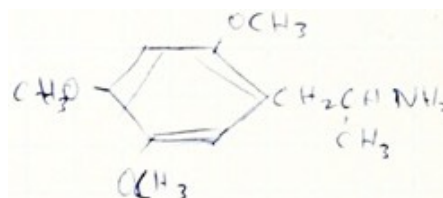
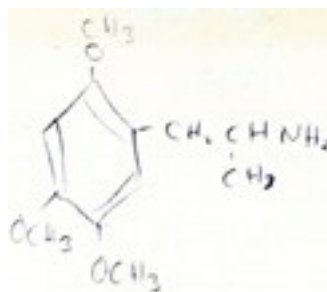
## Subjective evaluation



date	amt	time	notes.
7/2/65	1.9 mg	5:00AM	
	+ 2.7 mg	5:40	
	+ 4.0 mg	6:50	$\Sigma$ 8.6 mg no effects whatsoever
7/6/65	12.9 mg	6:40AM	no effect. sent French 5g.
7/13/65	20.8 mg	10:50AM	no effect.
~7/65 AF	10 mg		
+ 2 days	50 mg		
+ 2 days	100 mg		
+ 2 days	200 mg		
+ 7 days	500 mg		- all with no effects whatsoever. he at 66 Kg -> 7.5 mg/Kg.
~7/65 XX	500 mg		no effects.
~7/65 YY	500 mg		no effects.
—————IV—————			
4/26/67 RT	1.0 mg IV		no effect.
4/27/67 ATS	2.0 mg IV		no effect.
5/2/67 RT	1PM 5 mg IV		no effect (here & now at 3PM?)
5/2/67 ATS	4:30PM 10 mg IV		(aura at 1 min-) no effect).

T.S. [with] TMA-2

2,4,5 trimethoxy amphetamine



Sat night  
at 66Kg 150 µg/Kg

24 July 65 10.0mg oral 6:45pm (15 min before dinner)

0.5 7:15pm - (15 min after dinner started) aware of beginning of effect

1:15 8:00pm - (At poetry reading) Effects clearly beginning now.

3:15 10:00pm - Peak of effect. Approx equivalent to 250mg mescaline

or 50 µg LSD. Peacefulness of mescaline not present,  
not  
but ~~neither~~ agitated lack of empathy of TMA either.

at least as <- Perhaps most like psilocyn. Strong emotional effects <-  
much as [with] Mes as with LSD, empathy. Strong color effects, little if  
any perceptual distortion; ~~although~~ peripheral vision was  
odd, areas tending to black out slightly, as if a black  
cloud of steam had momentarily appeared in the peripheral  
vision. No anxiety, but I could see how a dose 2 1/2  
times as large (as Sasha took) would produce anxiety, as  
I could project the effects of TMA to the "hostile"  
reactions that others got at large doses.

12:00PM - bed - took

1:00AM seconal

no stomach problems - next day maybe dopey - maybe not.

11 Sept 63

Robert [with] MMDA-2

Sasha -

Two enclosures - 1) the reprint you wanted  
2) my naive (chemically) mind relates usnic acid in some vague  
way to Chris's compounds; possible chemical precursor?

(First 7.5 mg, no effect)  
Cmpd #2 test; 25mg. ^ Approx equivalent to 250mg  
TMA, little opportunity to examine eyes - closed visual effects. Had  
the some jangly not-too-pleasant TMA effect; I had no rage  
reaction to this or to TMA. Definitely not like mescaline. Duration;  
onset ~1 1/2 hrs (dose after lunch), acute 3 to 4 hours, seconal at  
11 hours to stop residual effects. so I could sleep. Occasionally  
from 5 to 10 hrs acute abdominal distress, resembling gas pains  
but unable to defecate. Abdominal muscles tight and hard. This  
occurred for about 15 minutes every hour or so. Rather unpleasant.  
If 3a does not have this effect, I would much prefer it without  
that methyl group, i.e. the mescaline analog instead.

We should get together again soon; Linda will be in  
a swivet for a while until her teaching gets settled into some kind of  
groove.

Tried Wolf's Stropharia; 50 fruit produced effect approximately  
like 300-400mg mescaline, I thought not as pleasant.

See you

Robert



## Response to DOE

8/28/65.

Experimental date 8/27/65.

Consumed 1.5 mg of DOE ·HCl at 7:00AM. This was fairly accurately measured by weighing out more and diluting [with] water (1cc/mg) and taking 1.5cc (g) of the solution.

Chronology of events

Time	Normalized.	Event.
7:00AM	-0-	ingest.
9:00-9:30	2-2 1/2	aware of tingle
10:00	3	some visual effects, subtle, as the sparkle.
11:00	4 —————>	start the evolution, the mood and gaiety. Really high. some colors.
12:00	5	bridge (!)
2:00PM	7	some of the visual subsides - mood still & trying to place events (WWK)
4:00	9	no visual, but still uninhibited mood (as [with] ethanol) - bubbling still
6:00	11	} energy galore - talk, talk, talk -
10:00	15	
11:00	16	to bed [with] anesthesia of wine.
6:00AM	23	out of it after sleep - no exhaustion.

This is without doubt the most effective, potent energizer that I have ever experienced. It certainly should be exploited.

ON 

→ Details on DOE  
continued:

MOOD                    The effect of DOE on the mood is certainly the most startling. Although I was aware of almost hyperthyroidism in the period 4-10 hrs., the effects were clearly visible by Mandy on into the evening (to 16 hrs.). She described my behavior as a wound up record that went on and on, and at the end someone picked up the arm, and placed it at the start again.

                         There was a drunk-like loss of inhibition to all behavior and speech. At bridge (5 hrs) I bid 3 H over an opening 1 H (from my right) to see Luther's responses. He alone was aware of the experiment. (I held the inadequate 7 heart suit to the AQ109, an outside singleton, an Ax of ♣ and 3 losing diamonds). There was the joy of experimenting with others.

SENSORY                Not too much sensory change, except for the apparent sparkle on everything. It was like looking across the ripply lake towards the sun. Every bit of light reflexion had some degree of enhancement. Color changes were not noted, although the texture of the face (LF) was distorted.

MENTAL                Pretty clear most of the time - this was the date of Earl's leaving for New Jersey, and it was during the day, that word got around the lab. As I had been told in confidence, and I was not sure who officially knew or not, and I was somewhat unreal [with] DOE, I felt quite confused. However, this day also I had the academic problems of deuterating harmaline, making Dce etc, and these were kept clear.

PHYSICAL              At perhaps 3PM there was muscular problems in the legs at 4PM my familiar kidney pains. After dinner (6PM) all was fine and no more problems.

---

Robert ~9/28/65 1.7 mg ·HCl - intense lethargy - got absolutely nothing done all day - next day suffered the most profound depression he has ever suffered. Possibly DOE at fault.

Robert on MEM.

**MEM**

7.5mg no effect, or very slight at most.

12.5mg 12:30 pm 18 Aug 65 Lunch eaten approx. 10 min later.

4-6 pm, peak of effect. Just above threshold.

Effects wave-like, came and went. Color and sound enhancement; empathy not marked, but not markedly absent either. At one point got flickering of peripheral vision, but only briefly. To some extent prey to anxiety and paranoid "premonitions". Completely down by 10:30 pm.

~~their threshold is less than the threshold of TMA-2 at this~~

not up to TMA-2 threshholdwise.

$$\begin{pmatrix} 12 \\ \text{MEM} \end{pmatrix} \cong \begin{pmatrix} 9 \text{ TMA-2} \\ 10 \end{pmatrix}$$

or better.

TMA-2 (at 10) > MEM at 12.5

MMDA ex Chile via Andrew French

Andrew Subject  
200 mg.  
~July 1965

Anxiety; insight (upon which he elaborated to great detail; could turn on and off at will -

Had tea [with] his mother, and she had no indication of intoxication.

Generally unpleasant - found himself concerned more with personal life, less with mythology which (the latter) is what he prefers and experiences under other drugs.

A defensive  
Scientific Med student  
background; yagé  
also yagé (harmaline)  
+ mescaline

250 mg MMDA ~July 1965

background

- > 500 mg Harmaline -> unpleasant  
-> ([with] dramamine | bad vomiting; cats -> leopards - anxiety-open door to interest in taoism - has become humble - likes studying.
- > 300 harmaline + 200 mescaline less visual, less feeling - but has concepts without images. Colors OK

called in panic - by time Andrew arrived, was happy - was doing pseudocalisthenic. Very pleased with himself.

- rebelled against suggestion of closing eyes - stated "was a very bad question". when eyes were closed, unpleasant feeling

- 2nd hour. rebellion only when attempt made to delve into the person.

4th hour - Andrew returns again - subject was pleased with some of his visual illusions. Specks on wall became insects.

‡ Subject visually oriented- Extremely unpleasant history [with]harmaline - led to amnesia, convulsions [with] mescaline Andrew is monster, also chair is a monster.

Originally Frigid, hostile, but a poet. [with] harm & was work-> gentle but no poetry.

300 mg MMDA ~July 1965

enjoys music- immense self-insight- recognizes love for Andrew. - writes poetry again. Here Andrew feels high therapeutic value - eyes closed imagery OK but is mainly intensification of feeling. here is felt to be > mescaline or LSD

again - auto controllable.

more MMDA.

Martin  
150 mg  
11:45AM  
~Aug 1965

Details onto page 118

general comment - gentle - like pot  
not hard - like CO<sub>2</sub>, LSD

at noon (15 min)  
some nausea - methedrine effects

(30 min) LSD effects in the camp-fire.  
felt withdrawn - had cramps in stomach (as with LSD) - the  
visual field was lightened with eyes closed.

(1-1.5 hrs) - time slows. - geometric patterns. excess light  
kills the eyes-closed patterns

- there is chest numbness, warmth - some vertigo  
with eyes open.
- No taste in mouth (LSD yes, mescaline no)
- passive introversion
- people appear on beach - no paranoia (LSD yes)
- After images bright - long lived - 3D corridors, faces  
upside down - dry mouth only slight (LSD dry dry)
- Some color effects, telepathic maybe - feels could  
be useful as an introductory drug.
- Benign - can turn on and off.  
2 types of hallucinations
  - ↳ retinal (looking as into a basket)
  - ↳ occipital (whole field)

♀ Same  
time

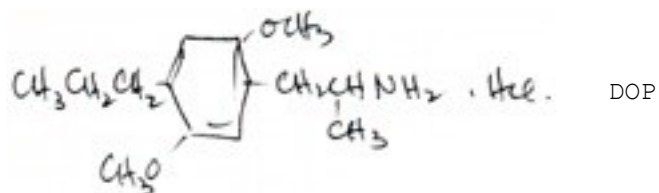
150 mg easy in, easy out; (garrulous, withdrawn)

♂ Greg

150 mg Time disorientation (6 hours duration)  
afraid to drive car. This report in  
original words  
page 117

He mentions Exodus Chap 30 p. 23.

## Subjective Effects.



date	amt.	effect.	
~10/10/65	0.25 mg	none at all.	
10/14/65	9:00AM	0.45 mg	no effect.
1/6/66	10:40AM	0.70 mg	no effect.
3/13/66	9:50AM	1.05 mg	this is a marginally effective dosage <a href="#">see comments page 124.</a>
7/~14/66	Robert	0.51 mg	no effect.
7/31/66	Robert	0.8 mg	marginal - long life - <a href="#">see p 132</a>
7/26/67	ATS	1.2 mg	distinct threshold 7:00AM- 10:AM shakes-10:45 - in to my office - coming on slowly - 11:15 - ELAPSED upside down - hilarious - 12:00 dilated still - outside - real turn on - drive SF. - annoy Donna - come down at Melvin's 3PM - still pretty manic in PM [with] wine.
8/17/67	Robert	1.33 mg	Real.

MMDA. 5/30/65

M M D A

may 31 eclipse day-1965

drugs were taken at 11:30 for Andrew 100mg Nancy 15 LSD and later 40 ritalin

may 30 Nancy took MMDA 100 mg while I had harmaline this report concerns Nancy's  
mmda ~~dmmda~~

It seemed to take 45 minutes to work and then came on very suddenly and 'hit 'me almost like a blow on the head; as if my eyeballs were being pulled out and my whole head expanding; Soon a COLD feeling set in and shivering; this was not unpleasant but was in marked contrast to the Ritalin which gave a warm feeling of activity and verbalization entirely different than this.

The cold was as if I was in carbonated water (this occurred as I was having the vision of a carbonated pool of water or nearly at the same time in retrospect) there was no anxiety; then the lite seemed to dim in the room-this a retinal phenom or having to do with the eclipse? in the pacific at about 3 pm;

My state in about 2 hrs seemed to be one of empathy and passivity, compassion of an impersonal sort; the music sounded artificial and canned and tinny in contrast to the voices which sounded rich full and finely precisely articulated and melodious

Also I had the impression there was a lot of stuff in my head I was not talking about;

Later when left alone the hallucinations occurred; as clear as any I have had on other hallucinogens; (c)

these were not kaleidoscopic or assembly line or oriental patterns, but life like with vast open spaces (typical of her paintings and essence person patterns) with people moving slowly and leisurely much realism; I could conjure up monsters when asked but these had an artificial quality-they were eating something; other visions of much food preparation and skinning and preparing of animal skins. drying scraping etc; many wild flowers and WIND-streams which were already part of the ocean; I regretted its wearing off; it did so very slowly; I was in a paradise concerned with externals and conforming to the structure we had set up and perfectly satisfied to be all available and all out there with you; the internal things and hallucin later were interesting but the realness and n ness? not nearness I think-- of reality was very gratifying; a similar outerness with ritalin but it was more warm and dramatic not so ethereal; no profound philos thoughts but direct sensations which started with physical then emotional; no thoughts or judgments of people or things; no facial distortions (she gets visual and auditory hallucin-sounds of water running, creating 'music' of squeaks etc)

#### POSSIBLE USES

good for one with a lot of anxiety which shuts him off from experience; those who are full of "I like, or "I don't like" they are so preoccupied that they don't see the things out there that are really going on, but project and shut off etc. I had a detached feeling while the ritalin seemed more personal and closely empathetic; sort of chummy and talky and pink tissue, mmda was more like clear mountain air

with lsd my thoughts go circularly, I get caught up in flippant philos ideation brain storms almost a mental masturbation.

I was so preoccupied by Andrew's answers to my questions that (with ritalin) the images they caused in my mind caused me to be almost physically removed; feel this way Andrew seemed to 'work' to overcome the passivity this mmda induced

Report of Greg Reed on mmda

6/2/65

MMDA - 6/2/65

about 1/2 dosage

I found this drug not at all like any other; in the first place there were no appreciable distortions hallucinations or eyes closed imagery; second the mind was quiet; no words explanations comments theory's and rational thought subsided; third I was fully aware in present time especially during the first few hours fourth; despite the seeming sort action of the substance there is a time distortion which lasts over six hours which undermines ones judgment in driving a car; so at least 12 hours should elapse before driving is undertaken;

in use of O2-CO2 to potentate the action of the drugs there was a most remarkable effect As though a floor of some sort was dropped from beneath me and yet I was still supported and with this floor dropped a general feeling of anxiety of a free floating type which has been plaguing me for several months; later on a half hour or so later; when I was exploring the area newly empty of anxiety I felt it again for a few moments and then it dropped away for good; I was completely without tension or pressure of any sort; I expect that the effects are similar to that of a tranquilizer or an opiate (although I have experienced neither) except that there has been a long term change as a result;

MMDA Greg co2 and o2 used to set it off

I felt as if a floor of some sort dropped from beneath me and yet I was still supported; with this floor dropped a sense of free floating anxiety which had been plaguing me for several months

30 min later

when I was exploring the area newly empty of anxiety I felt it again for a few minutes and the it dropped away for good and I was completely without tension or pressure of any sort; like being tranquilized or morphine but I've never taken either; there has been a long term change as a result

6/2/65

this drug was like none I have ever taken; no hallucin noted and no distortions of what I looked at (I agree with the lack of distortion of outer objects or faces) second; the mind was quiet no words explanations comments theories or rational thoughts

fully aware in the present time especially in the first 3 hours

there is a time distortion 6 hours later WHICH UNDERMINES ONES JUDGEMENT IN DRIVING

I misjudged the traffic lites duration etc



## MMDA reports

#1 49 yr old male; set relaxed to very slight anxiety over personal emotional matters. SETTING: De Martin beach off Falce-klamath rock 8/29/65 11:45 AM  
11:45 150mg

12:00 slight nausea and methedrine/ritalin like effects

The 3 of us are at the falce river mouth drying seaweed on split redwood

The fire burning preparatory to cooking the rock crab just caught takes on a fantastic appearance

12:10 I withdraw, the talk of the others is too much; she puts on sunburn oil  
WOW

12:15 the tiny fairy feet of the flies, slight cramp like slight nausea and my visual field starts lighting up

12:20 some vertigo and heaviness and the stretches out; numbness in the chest as when an opiate is taken;

Still study geometric patterns; excess lite on closed lids interferes with (retinal) visualization. vertigo only with eyes open

dance of the glittering diamond studded sea waves; increasing motion and beauty

No taste, just passive introversion with large time lag

12:30 people appear on the beach and talk to my companions; I have no paranoia this surprises me;

12:35 trembling after images are very brite and last long; I see a long corridor and faces upside down 3D corridors that bend and receive me  
basket like with visions at the bottom;

the man will drive and the woman provide; two beauties and crab

thirsty and mouth slightly dry; much less than with ritalin or LSD etc

green to rose after image

NEED A SEMI SLEEP STATE FOR NEUROTICS/PLUS THIS DRUG/ so they can let go to its effects better

Increasing landscapes appear inside; inwardly I told her of her beauty and the outward she also responded by looking up at me.

(this is a good introductory drug to the drugs of this class)

to become familiar with the drug state in as gentle as possible fashion

Later; I see my mother in an animated conversation with another woman

this was at 1:30

12:50 to give self roses and to cut off the trash and 'worry' so as to enter the semi dream state where you are protected; not as noisy(many) dreams  
?as in live? or more?

music or sea

as a structured backdrop against which to go in

bold kneaded wrestler geni probably on waves Like LSD nook barred woman

sits up man upside down face; fabulous kiss bitter crab and people

million fingered dance of the sea; green apple crunch

I hallucinate lists hungarian rhapsody

and the waltzes

then see at 1:30 my mother as above.

Remarks: this substance seems to have a much gentler action than others of this class; perhaps more like Cannabis or psilocybin; there is little paranoia reported by anyone

I noted the hallucinations of the two types: one, those which were strictly retia retinal and more minute and small and influence by lite and evoked by 'focus using' on the 'lite' ahead on the retina or lids, and the other those deeper in the visual tract and occiput which are larger and more global dream like and when solid are quite dramatic and unforgettable as in meditation.

There is less adrenergic or alerting effect per hallucinatory unit of this drug as well;

## REPORT ON MMDA TAKEN September 5, 1965

Anna Cook

Since in my walrus type floundering about since then, I've managed to lose all notes made at the time, I'll try to do it by recall and then will undoubtedly find them.

Drug produced light nausea and slight dizziness within about 45 minutes and shortly after began to feel "psychedelic" effect. For awhile felt like mild dose LSD with slight disorientation and visual imagery at closing eyes. Imagery wasn't the vivid, sharp-colors type however, but like a kaleidoscope filled with pastel colored smoke. Reminded me of a gadget seen in New York museum of modern art in which constantly changing swirling colors were projected on a screen. Every now and then across this field floated and unidentifiable black shape/blob. Overall general effect sort of like Rorschach ink blots.

Within an hour I felt my mind snap into advanced gear and attention focus like a laser beam. Felt I KNEW what I was about and was thinking with unusual confidence and clarity. Total focus on Mike altho my response to him was less involved emotionally that it usually is in sessions. Was unable to cry for him or for self yet felt no hostility towards him or fear--just intellectual sort of endeavor and decide to do something effectual and positive. Was unable to account for some of this behavior and was very curious as to what diagnostic labels it would earn. Had an excess of energy and large overestimation of own strength - felt fully confident that I could hold down my half of Mike with no trouble until I recalled that this wouldn't be my normal realistic appraisal and then began to force a bit more caution. Could feel my own emotional state being blocked as almost with a physical barrier - knew there was great upset underneath and that it would leak out as drug wore off but was unable to feel it totally.

Time sense was slowed-kept looking at my watch and thinking more time must have passed than actually had, but wasn't disturbed by this. When Mike began walking around expounding his revelations I became restless - began wondering, wanting information and activity. I realized that as long as there was active action I could focus entirely on outside and was fine, but when things slowed down feelings of self coming back were distressing and I was stuck back with me and pain over Greg. Tried to turn it to interest and learning about Mike and about the total situation but kept wavering in attention between him and myself. By about 2pm was ready to start on Mike again, trying to get him to down and sort of cut off. He was unable and I took it as sort of a challenge. Martin seemed unwilling to direct him strongly and I finally played on his need to "help" me by giving me an hour with Martin. It worked. Put on the saddest music I could in order to dredge up hurt over Greg and whatever it represents but altho tears were there, it was all dampened and toned down. Knew I was very upset but that knowledge was more upsetting than the upset I knew was there.

Went out to the pool when Marty and Karol came. Mike was all shaken, pains in chest, unable to breath, felt nausea and choking sensations. Was marching up and down, back and forth like ward patient in a yard. Was disturbed by this and went to tune the guitar on the piano with Robert. Felt Mrs. W being annoyed by me in house and by my playing with Robert and knew I'd have felt hurt if it weren't for dampener of drug. Robert tuned the guitar and I went out to see what I could do with Mike. We talked awhile and I found myself able to play that guitar like never before - was elated and entranced with my own music and new ability... especially since I found I could work with Mike and play along at the same time, using it for sort of background and emphasis and attention changer. Talked to Mike about pains in chest - had him try Gestalt exercises but he was too far out. I felt him as a little boy asking mama to fix it and I felt like I'd like to be able to fix it, but not inadequate because I couldn't do so.

OVER

Robert came down, wanting attention and to sing and play the guitar. I was happy to see him and we began to sing a song but Mrs. W tore out and jerked him away like a shot/ I understood how she felt and her worry about his contamination, but I felt resentful at being considered a contaminating agent so decided it must be Mike she was worried about and rationalized it that way.

Spent time talking to Karol about her feelings since separation from Marty and watching her way with her child. All along was playing one song after another and my attention sort of split. Karol came on strong about dislike for Marty but didn't realize she was saying it and by way of atonement immediately began telling me about how neurotically she operates - but in Marty's terms and sounding like a parrot. Tried to be subtle and gently get her to see what she'd done, but it somehow didn't seem important compared to Mike wandering around painfully and looking at me like a sick puppy. So Mike and I talked about the things that made him nauseous and he went and leaned over the fence a few things but explained that while these things would have upset him six months ago, they don't any more. Things such as "penis" and "breast" and "hand" and "hang". (I wonder if his mother hanged herself.) I began trying to play Tom Dooley and noticed Mike swallowing hard when I got to "this time tomorrow reckon where I'll be. Down in a lonesome canyon, hanging from a white oak tree". Also on "Poor boy you're bound to die" Began to worry that there was more going on than I was hep to and quit immediately.

Marty came and Karol left. Felt warm even toward Marty - allowed him to play big brother thing with me which is his newest button to push. He showed me things on the guitar and I gave it to him and began playing with Greg. Noticed Mike watching me play with Greg with tears in his eyes - he kept looking away. Felt some sort of vibrations emanating from Mike - like he was silently begging, pleading, entreating me for something. Didn't know exactly what I could produce that would provide it. He was hungry and wanted a pear - I told him to pick a peach instead. He did, showed it to me like a little kid and ate it like one, leaving most of it all over his face. So I put Greg on Marty's lap and began singing nursery rhymes. Mike came and finally sat down but with that damn shit eating grin on his face. I didn't know what to make of it so didn't.

Physical effect of drug most outstanding. Full of energy and coordination. Lost fumbling, clumsy feeling altho I did manage to whack my shin on the water pipe and trip in a hole twice. But that's par for any course. Knew this was the same stuff Greg had and kept wondering why I wasn't getting the same euphoric, limp happy reaction. It was a physical and psychic energizer for me but without the emotion emphasizing effects of dexadrine. Went home and to sleep with 3 pills finally at 2 am. Kept self curling in sleeping bag womb all next day and night and didn't want to come out to face the world on Tuesday. it isn't a nice world these days and it deteriorates steadily.

10-3-65 UG.

200 mg.

MMDA

*In this experience each time  
he closed his eyes he observed  
internal visions all involving his  
present situation in school.*

*vivid dreams & marked time lag*

*Feeling of Being Asleep*

*Nystagmus present (pendular) in all positions of  
gaze.*

*No trouble sleeping after this drug*

*Cross toleration [with] cannabis?*

*Dreams more VIVID.*

*Feelings of warmth shoulders to chest  
24 hrs after proven MJ sans effect. 6 days later effective  
again*

This from M. Brady ~11/10/65

#### MMDA

the patient is a 33 yr old male 225 mgs taken

I had a strange awareness of my hands in about 20 minutes; not a feeling in them so much as just that I was attracted to them somehow; in a few minutes I began to get fearful-of ? loneliness of the acute experience of aloneness, I did not want to go back there again.

I laid face down (often a depressed position for me) Next I remember talking to the kids at school (an image) or to other teachers; this was very vivid; the scenes at school were more vivid than those in the office where I actually was. and the people more real than YOU. I tried to 'come back' by getting physically close to YOU. but still drifted off to school I was very sleepy throughout (not the alerting effect of LSD) and four hours later went immediately to sleep (I never did with LSD) I was bothered by the quality of reproduction of the music from 20 to 60 minutes after drug was taken - the crowded small office bothered me at first

of any experience I have had this was the most like a series of dreams easily remembered (this drug is most sought after by our helpers in drug work - they function best on it as helping others) I felt after it was over as I had after a long period of sleeplessness - I had gone to bed and had a series of dream like states very vivid and colorful and real

[see page 121](#)

*This pt had the pendular nystagmus  
[with] this Drug Dosage.*

This from M. Brady ~11/10/65.

Dear Sasha and Robert;

here are two more reports very brief because there is little to say - The copies you have you may keep as I have another

please see that Andrew gets one of these copies and I guess Sasha is collecting so he should have the other one;

MDA 130 mg

an experienced person in the use of drugs;  
complete neurological done 1 hr prior to treating was completely neg - care fully looked for was nystagmus - he showed a slight physiol nys in extremes of lateral gaze - 1 1/2 hrs after the drug he showed about the same amount and the balance of the neural testing showed no difference from that of 2 1/2 hrs earlier

his bp which was 145/90 to start was unchanged

he only experiences a bit of tingling in his arms and legs and a slight sense that his hands were trembling, this was not objectively confirmed during the neural testing  
he had no hallucin etc

MDA

the subject who is sensitive to as much as 8mcgm of LSD noted the following within 30 minutes of injection of 20mg of the drug  
a sense of tension in the chest not unpleasant, increased accessibility to affect with some crying appropriate to the occasion. The enlarged third dimensionality of the music and slight unsteadiness in locomotion - also the usual tendency to introvert and withdraw.  
these effects seemed to be the equivalent of about 10 to 15 mcgm of LSD and lasted 7 or 8 hours with the peak at 1 1/2 to 2 hours.

I will be publishing a paper with Agnes on ritalin and LSD and CO2 gas soon as I can get my part of it written

---

Comment was made ~ April 17/66 by Boyd and friend Steven Freeman by knowledge of MMDA experiments, one ♀ and either one or three ♂. 220mg each. Female early onset - male on later - lasting much of the night.

Date 3/13/66

Subjective comments regarding DOP.

([see p 115](#))

The 1.05 mg was taken at about 10:00AM. Awareness of an effect was noted at about noon. There was the same sort of ebulation, quick thinking, humorous talk as there was with DOE, in fact this whole time structure and behavior structure was much the same (not, I believe, quite as intense at 1.05 DOP vs. 1.5 DOE). The argument of sparkle is still true.

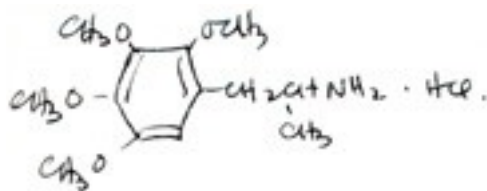
-> visual There is a little sparkle - went into total darkness for a little while - found that allowing image from door to fall on just one eye was unpleasant. With both eyes devoid of

This was stopped-this writing ^ was at 3:20PM and still quite under its influence - couldn't be bothered summing something up that was still going on. This ↓ written 4/10/66.

Time. Elapsed Time.

10:00AM	0	Took 1.05 mg orally.
12:00n.	2	awareness, see above.
3:20PM	5 1/2	wrote the above. LF came in to lab (Sunday) but noted nothing. I didn't tell him.
7:00PM	9	Still quite excited - ate dinner with much humor.
11-12PM	13-14	Alert - reading & working - can't seem to turn it off
2AM	16	To bed - probably didn't sleep at all - maybe fretful catnaps. Mind continuously going over and rearranging previous evenings study material.
6AM	20	Up-to lab - not tired - still alert.
12n.	26	seem to finally show signs of relaxing.
6PM	32	Out of it.
		Slept quite normally that night. no apparent after effects.

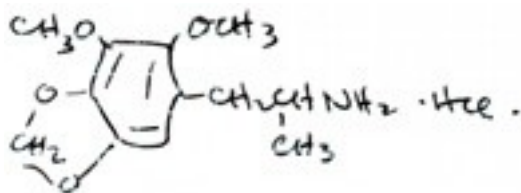
## Subacute Trials.



	date	time	dose	comments.
	4/9/66	9:35AM	0.8 mg	nothing.
	6/22/66	9:30AM	2.1 mg	nothing. (1/4 8:05, 3/4 9:30).
	7/8/66	10:00AM	5.0 mg	nothing. (one shot)
	10/29/66	8:25AM	8.4 mg	nothing.
	3/31/67	8:00AM	14.0 mg	nothing. Terrible taste.
	4/4/67	11:15AM	20.4 mg	possibly exaggerated reflexes (leg, eye) otherwise nothing.
±	4/26/67	9:05AM	30.0 mg	definite threshold. dilation - humor - wild day [with] $X^2$ calculation on PDP-7, S.F. Motor Vehicle Dept.
+	5/2/67	~5PM (RT)	34 mg	Dance Class - gastric upset - nonetheless- distinct intoxication - next AM - foul headache. Active level will be, by extrapolation about 50 mg - so 6 x mescaline.



## Subacute Trial.

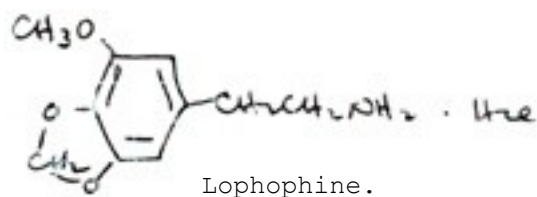


DMMDA-2

6/27/66	9:55AM	0.4 mg		
	1:00PM	1.1 mg	Σ 1.5 mg	nothing
6/28/66	10:AM	1.6 mg		
	11:30AM	1.7 mg	Σ 3.3 mg	nothing

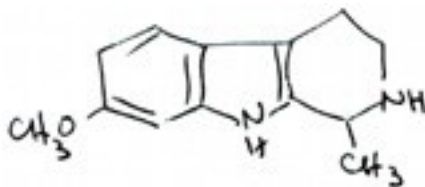
[data continued on page 140](#)

## Subacute Trial.



~ 6/1/66	ATS	0.5 + 1.5 mg at 1 hr. nothing.
~ 7/3/66	Robert	12.2 mg negative.
3/8/66 <	Robert	150 mg thresh-hold.
(8/3/66) <	Robert	(156.5 mg). At 2-5 hrs. Very euphoric and peaceful mood elevation - $\cong$ mescaline - but no visual distortion. Mild enhancement of visual & color perception (function of mood elevation). No nausea, no eyes-closed vision, slept easily at 11:30PM.
67? —		

continued - p.228



Tetrahydroharmine

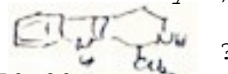
~6/15/66. Robert 100mg threshold?

his record

- |    |             |                  |   |
|----|-------------|------------------|---|
| -> | 22 March 66 | 0.8 mg at 3:45PM | At 4:30 slight<br>prodromal signs - excited,<br>lightheaded - Placebo effect? |
| -> | 23 March 66 | 1.8 mg at 3:00PM | Nothing. So much for above.   |
| -> | 28 March 66 | 3.4 mg at 3:00PM | Nothing.  |
|    | ?           | 7.8 mg           | Nothing.  |
| -> | 27 April 66 | 13.5 mg          | Nothing.  |
| -> | 2 May 66    | 22.6 mg 2:40PM   | Possibly a vague<br>mild pleasurable state.                                   |
| -> | 12 May 66   | 44 mg 4:50PM     | same as above   |
| -> | 8 June 66   | 99 mg 10:00AM    | distinct threshold.   |

Mild color intensification, euphoria, emotional empathy. Lay in darkened room at about 2 hrs. had some fleeting images, primarily of cars and buses; quite a bit of blue in the pictures. By 5 hrs completely gone.

"Tetrahydronorharman"  
(ex acetaldehyde)



oral 50-80mg - ex Tyson  
phone Nov 1978

## Running compilation (chronological) of subacutes.

DATE	WHO	WHAT	HOW MUCH	effects.
5/25/63	ATS	TMA4	18.7mg	bitter. NR
6/15/63	ATS	TMA4	26.3	N.R.
8/26/63	ATS	MMDA3a+1	0.2mg	N.R.
8/27/63	ATS	MMDA3a+1	0.5mg	N.R.
8/29/63	ATS	MMDA3a+1	1.0mg	N.R.
9/1/63	ATS	MMDA3a-1	4.4mg	N.R.
9/2/63	ATS	MMDA2-1	2.6mg	N.R.
9/3/63	ATS	MME	0.3mg	NR
9/6/63	ATS	MME	{ 2.2	
		MME	{ 2.0 } → Σ 4.2mg	NR
9/7/63	ATS	MMDA3a+1	1.9mg	NR
9/9/63	ATS	MME	6.5	NR
9/14/63	ATS	MEM	0.8mg	NR
9/16/63	ATS	MME	9.9	NR
9/25/63	ATS	MEM	2.2	NR
9/26/63	ATS	MMDA3a-1	8.1mg	NR
9/30/63	ATS	MEM	{ 4.5	
		MEM	{ 2.8 } → Σ 7.3	teeth runny? NR
10/1/63	ATS	MEE	0.4mg	NR
10/3/63	ATS	MEM	10.5mg	Threshold definitely if so > TMA-2
10/8/63	ATS	MEE	1.0mg	NR
10/14/63	ATS	MEE	1.7mg	N.R.
10/17/63	ATS	MEE	2.8mg	N.R.
10/23/63	ATS	MEE	4.6mg	N.R.
10/25/63	ATS	MME	16.3mg	unreal at 3:00? bit starry. N.R.
11/20/63	ATS	MMDA3a-1	13.8mg	N.R.
11/30/63	ATS	MMDA3a+1	3.5mg	N.R.
12/1/63	ATS	DOM	0.1	
		DOM	0.1 at 1:20 → Σ 0.2mg	NR
12/3/63	ATS	AEM	220mg	NR
12/63	RT	MMDA3a-1	40mg	NR
1/4/63	ATS	TMA-3	{ 0.5mg	
		TMA-3	{ 2.5mg at 1:20 } → 3.0mg	NR
1/6/64	ATS	DOM	0.4	
			0.4 at 1:00	
			0.2 at 2:10 → Σ 1.0mg	Threshold? too long - probably N.R.

## Continue Subacutes.

5/25/63	ATS	TMA4	18.7mg	bitter. NR
1/9/64	ATS	DOM	1.4mg	absolute threshold! long colors 5-15hr plateau
1/12/64	ATS	TMA 3	6.2mg	NR
>1/14/64	ATS	TMA 3	10.6	NR
1/20/64	ATS	TMA 3	15.1mg	NR
1/22/64	ATS	TMA 3	20.6mg	at 1:30 dizzy? - N.R.
1/14/64	RT	MMDA3a-1	65mg	NR
1/28/64	ATS	TMA-3	26.6mg	N.R.
1/31/64	ATS	TMA-3	36.5mg	N.R.
2/3/64	RT	DOM	2.3mg	confirmation - not the 5-15 though
2/5/64	ATS	TMA 3	{ 51.1	0
		TMA 3	{ 21.1	+ 1:50
		TMA 3	{ 14.8	+ 2:55 -> $\Sigma$ 78mg NR whatsoever <u>that is all</u>
2/26/64	ATS	TMA 6	0.4mg	NR
2/28/64	ATS	DOE	0.2mg	NR
3/16/64	ATS	DOE	0.5mg;	1:40 -> 0.2mg -> $\Sigma$ 0.7mg starry at 2:40? NR
3/23/64	ATS	TMA-6	1.2mg	NR
4/5/64	ATS	MME	24.8mg	NR
5/21	ATS	TMA-6	3.8mg	5:00 shakes? NR
6/9/64	ATS	extracts	<u>S. div</u>	$\approx$ 7
				1:00 hrs $\approx$ 8 -> $\Sigma$ $\approx$ 15g leaves NR
6/12/64	ATS	<u>S. div</u>	$\approx$ 20g	leaves NR.
7/1/64	ATS	TMA-6	5.5mg	Threshold? 1:30 dizzy> NR?
7/2/64	ATS	TMA-5	0.2mg;	+3:00 +0.3; +4:00 0.3 -> $\Sigma$ 0.8mg N.R.
7/7/64	ATS	TMA-6	7.8mg;	+2:00 3.6mg -> $\Sigma$ 11.4mg <u>Threshold!</u>
7/24/64	ATS	DOE	1.0mg	marginal? 2-5hrs?
8/4/64	ATS	DOTB	10 $\mu$ g	
		DOTB	+2:00hrs	15 $\mu$ g -> 25 $\mu$ g NR
8/5/64	ATS	TMA-5	1.0mg	NR
8/11/64	ATS	DOTB	50 $\mu$ g	
		DOTB	+50 $\mu$ g	at 1:20 -> $\Sigma$ 100 $\mu$ g NR
8/14/64	ATS	TMA-5	2.2mg;	-> 1:30 2.0 -> $\Sigma$ 4.2mg N.R.
8/15/64	ATS	DOTB	150 $\mu$ g	
				at 1:10 +100 $\mu$ g -> 0.25mg NR.
8/27/64	ATS	DOE	1.5mg	Effective plateau 5-16hrs euphoric, colors!
9/3/64	ATS	TMA-5	7.0mg	bitter - N.R.

more subacutes.

9/10/64	ATS	DOTB	0.4 mg	N.R.
9/17/64	ATS	TMA-5	10.1 mg; + 1:15 3.7 $\Sigma$ 13.8 mg	N.R.
9/30/64	ATS	TMA-5	18.2 mg	2:00 SNS stim, 3:00 dilation. stimulant? CAREFUL.

—————Summarize all in report for Robinson—————

Andrew writing up all MMDA work for MMDA monograph.  
Andrew tabulation of DMPEA for schizophrenia paper.

10/10/65	ATS	DOP	0.25 mg	NR
10/14/65	ATS	DOP	0.45 mg	NR
1/6/66	ATS	DOP	0.7 mg	NR
4/9/66	ATS	M4A	0.8 mg	NR
6/22/66	ATS	M4A	2.1 mg	NR
7/8/66	ATS	M4A	5.0 mg	NR

Robert on DOP.

7/31/66

Robert on 0.8 mg DOP ([see page 114](#)) <sup>115</sup>

time	rel.t.	
0930	0.	energizer - probably no sparkle.
6PM	8.5 hrs	peak? - medicine cabinet shimmer.
Mid. AM.	14.5 hs	3/4 gm seconal. hangover <u>ex</u> seconal. maybe into )
	23 hs.?	today? ↙

continued

0.51 mg 7/7/66

0.8 mg /31/7/66 maybe in AM. still effects DOP.

**0.51 mg 7 Jul 66 Nothing**

**0.80 mg 31 Jul 66** 9:30am took it. Prodromal lethargy  
to about 2 pm, not really lethargy.  
relaxed and pleasant. Psychic energization  
from 2 pm, euphoric but not amphetamine-like  
jittery, world bright, pleasant, optimistic. Peak  
at 6-10 pm, with very slight wavering of lines  
and color enhancement. Unable to sleep at 1 am,  
thoughts buzz continuously. Took 3/4 gr pentobarb.  
Awake am groggy from pentobarb; when this cleared,  
again euphoric and happy - still effects of DOP?

dextro-amphetamine.

To finally and subjectively assign those properties that would be called sympathomimetic - but not psychotomimetic.

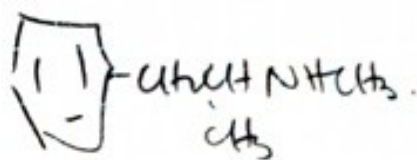
10-15-66	11:50AM	5.0 mg	
	1:30PM	8.0 mg more	Σ 13 - no effect-not even eye
13 mg			dilation - I worked late that night
			so there might have been CNS stim. -
			but no mental, or jittery effects.

15 mg	11/5/77	ATS 10:42 AM:(0:00) (1:00)	trace parasthesis - that is all.
		at (2:00) challenge with 60 µg LSD q.v. p. 256.	(15:00) no sleep -
		fitfull after a few hrs of trying - This is the only noticeable effect.	
		otherwise - n.e.	



## Subjective analysis



DL.            D.  
                 or  
·HCl.            HCl

~10/20/66	DL	10:20AM 12:20PM	4.5 mg. 5.5 mg more. $\Sigma$ 10 mg. Probably no effects - I was active, but there was no evidence of central stimulation for sure. Certainly not any eye or other objective effects.
11/27/66	DL	10:45AM 12:20	7.5 mg +5 mg $\Sigma$ 12.5 mg Possibility of very slight dilation at ~2:00PM. Was extremely active through the rest of afternoon - got a very great amount done. Cleaned out Pandora, bookcases off desk etc. No hunger - but no intox. either. Little effects.
-(+) 5/18/77	DL	20 mg	9:35AM=[0:00] Slight something at [0:35]? very active all day - n.e. however - to bed, when tried at [15:00] no sleep - two hours awake - then occasional sleep. - AM. no suffering for lack - but despite sleep interference. ( $\pm$ ) physical - no - make that (+). But - mentally.
$\pm$	DL	30 mg	1/12/79 12:45PM=[0:00] ~[1:00] sl. paresthesia - got much done - little specific effect. Restless sleep [12:00] JMM 30,50.
$\pm$	DL	30 mg +30 at (2:00)	~3/79 as primer for LSD. see p. 288 ( $\Sigma$ , 60]. - lost in primer experiment.
+	DL	30 mg	6/22/79 - 9:12AM=[0:00] [1:00] true alert sparkle - v. nice [2:00] piano going very well (practice for recital)- completely impotent. (7:00) nothing left. Still not hungry - 3/4 erectable.

$\alpha$ - MT.

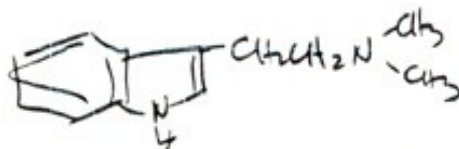


This is the material of K. Kesey fame. (maybe!)

before 11/11/66	80 mg (Randle)	1 hr. High	
		2 hr. Nausea of Mez.	no visions
		13 hrs. go go go- out	no hallucin
		[with] Pot.	but depersonalizing
160 mg	(♂ [with] Randle)	as above - but toxics.	
80 mg	yet another		
20 mg	nothing		
10 mg	Robert nil.		
20 mg	Robert pleasant. Mild euphoria few hrs.		



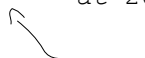
DMT.



before 11/11/66. DMT up to 1.0 g p.05. David Poole (friend of Randle)

5/28/76 Constructed cigarettes, a few milligrams of finely powdered Tanacetum Vulgare are appropriately distributed on paper, and the free base (20mg, 100mg) evenly distributed and mixed. Direct heat [with] an infrared lamp melts the base, and the sl. sticky mix is rolled into a v.tight and small diameter cigarette (4-5mm dia.) The length is marked off to determine the quantity taken. All experiments separated by ~2hrs.

- > (5mg) (inhalation) n.e.
- > (15mg) (inhalation) n.e.
- > (20mg) (inhal) after ~30 sec. a strange light headed-ness starts - possibly [with] some temporal pressure. neat effect and there is a "quantitative" awareness of the measure of the intensity - no visual - no sensory distortion - just very much in its control. max at 3min, then rapid disappearance. Out at 7min.
- > (30mg) (inhal) within 30 sec. start. - Build up to max.(?) intensity at 2 - 2 1/2 min. some yellowing of visual field - complete control given to drug - but there is nothing to do! - no eyes closed - no imagery - the intense plateau is left at 3-4min - still "up" but there is a clear awareness of the rate of recovery - the radio is apparent again. 8 minutes OUT.
- > (20mg + 10 + 10 + 10) Attempt to maintain the 3-4 minute effect of the 30mg experience above by chronic reinforcement. 20mg was inhaled - followed in a minute by 10mg - redevelopment of the strongly intoxicated state (but not back to the "yellow" degree) and as the effect starts waning, reinforce [with] 10mg (at 4 min) again at 8 min and here the effects seem to be a little smoothed out - next (and last) reinforcement at 13min (10mg) which maintained effects for a few more minutes. rapid clearance and completely out at 20 minutes. No residual effects. a completely stupid drug.





1.1 mg (Robert)	15/12) <sup>M</sup> 66	1:10PM	Lunch at 1:30 Feeling very pleasant 2:00. Postprandial euphoria.
1.9 mg (Robert)	16/12/ <sup>M</sup> 66	12:15PM	Lunch 1:30PM NR
4.1 mg (Robert)	6 Jan 67	NR	felt good
9.7 mg (Robert)	9 Jan 67	NR	felt good

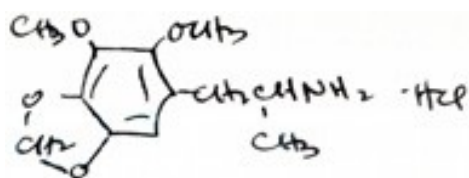
## The Pseunut Coctail

for a 5 g Nutmeg  
equivalent

12/22/66 Robert P.M. 5g. spoke in evening as maybe having some color enhancement. was easily brought to light humor.- this was the evening of the kitchen sink trap episode.  
(=0:00hrs)

MDA·HCl	11.4 mg
MMDA·HCl	60.8 mg
TMA·HCl	22.0 mg

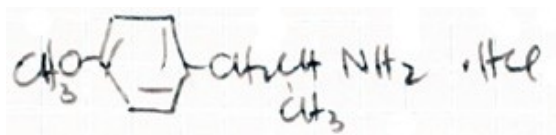
12/24/66 ATS 10:45 AM ^ 5g. at 1:15 hrs quite dilated - starry effects. At 1:45 there is a sure threshold - no anxiety but curiosity to see where it all will go. Slight flushing. I know it wouldn't take much more of this to get things to move around. 2:45 dilation going down - feel out of it more or less.



DMMDA-2.

See page  
126 for  
early data.

Feb 10, 1967	Robert	4.0 mg	possible threshold?
March 7/67	Robert	28 mg	threshold. < 15 mg TMA-2 < 26 mg TMA 6
April 4, 1967	Robert	50 mg	Into it, much like MDA.



4-MA

3/~15/67	Robert	1.0 mg	No effect
3/~28/67	Randle	2.0 mg	was quite unsure - possible threshold???
4/~3/67	Randle	4.0 mg	N.R.
4/~15/67	Randle	8.0 mg	N.R.
5/18/67	Randle	17 mg	felt fingers cool, personally detached at about 45 min - 1 hr. Then nothing. Threshold???
1/11/68	ATS	25 mg	NR (10:10AM)
1/12/68	Robert	~35 mg	reported some elation at 2 hrs - but had 2 irish coffees at 1/2 hr. on hill (?)
1/15/68	ATS	42.5 mg	10:55AM - unusual taste - possibly strange at 11:45-12:45 (1-2 hrs) - certainly OK at 4.
1/15/68	Robert	56.8 mg	2:55 - real effect - feeling of druggedness or alcohol-like depression (intoxication) - no high as such
1/25/68	ATS	60 mg	Very real effect - the day of the I <sub>131</sub> trip to hill - refuse to go. 1 hr. on - sudden. 1:10 - to whole body counter - ♀ polyp there up 1:30 - flat - 2:30 Clearing!
2/6/68	Robert	70 mg	dance placebo - parasthesia - nice - real.
~Oct 69	Brian	57 mg	1/Kg 1:15 sudden onset 136/85 -> 190/95 (met. included) afterimages 1 3/4 hrs 200/100 DET-like 3 1/2 hrs - no more mental. some bp. some parasthesia. 4 1/2 out.
9/28/77	ATS	60 mg	7:30 AM - little if any effect. I certainly am functionally becoming inert. follow [with] MDMA - see p 233

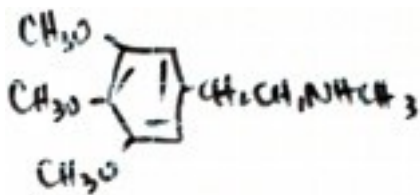


*[Editor's Note: The next 2 pages are taped together and fold out of the lab book]*

Pt #	Subject	Weight	Dose PMA	Time Urine Collection	Volume
①	FP	65Kg	10mg	0-12hrs 12-24hrs	660ml 320ml
②	LR	64Kg	10mg	0-12hrs 12-24hrs 24-36hrs	840ml 1020ml 960ml
③	FP	65Kg	65mg	0-12hrs 12-24hrs 24-36hrs	380ml 510ml 150ml
④	BW	57Kg	57mg	0-15hrs	1000ml
⑤	MI	67Kg	20mg	0-24hrs	900ml
⑥	LS	76Kg	30mg	0-12hrs 12-24hrs	1710ml 1280ml

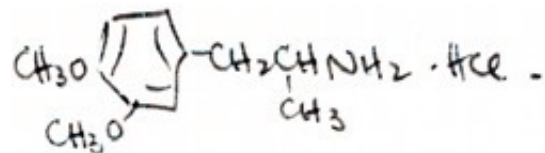
<u>My Creatinine</u> sample	Total PMA	Recovery added <u>PMA</u> %	% administered PMA Excreted	µgmPMA/ my creatine
581	264 µgm	107%	2.64%	0.455
508	51 µgm	93%	0.51%	0.10
			3.15% 24hrs	
672	675 µgm	129%	6.75%	1.0
1278	615 µgm	100%	6.15%	0.48
1023	192 µgm	96%	1.92%	0.87
			14.8% 36hrs	
400	107 µgm	127%	0.165%	0.268
231	51 µgm	110%	0.078%	0.220
280	9 µgm	79%	0.014%	0.032
			0.26% 36hrs	
1453	6730 µgm	not done	11.8% 15hrs	4.65
1103	850 µg	109%	4.25% 24hrs	<u>1.3</u>
800mg	1050 µgm	11.3%	3.5%	0.76
1189mg	420 µgm	91.5%	1.4%	
			4.9% 24hrs	2.8

N-Methyl Mescaline.



- 3/28/67	1.0 mg	8:05AM (ATS) N.R.
- 4/8/67	2.3 mg 1.7 mg	8:30AM 10:30AM $\Sigma$ ~ 4.0 mg (ATS) N.R. (Mandy thought I was funny when I was driving - I thought not.) Voila - no effect!
- 4/21/67	7.0 mg 4.3 mg	9:00AM 10:40AM $\Sigma$ ~ 11.3 mg N.R.
- 4/26/67	16.0 mg	11:45AM N.R.
- 5/24/67	24.0 mg	9:40AM atrocious taste - in afternoon (~3) contact highed [with] Randle, Robert - wild humor - not assignable? no effect.

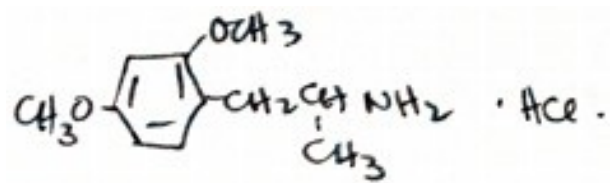
(3,4-)DMA.



According to M.D. Garrett Int. J. Neuropharmacology -  
1967 6 151 - Alles states (personal communication) some  
2-3 times less active than MDA.

In M.D. Garrett's thesis is an extensive army report describing  
2 psychiatric patients - both i.v. -  
at 70 mg nothing.  
at 700 mg - mescaline-like.      nothing in between?

2,4-DMA.

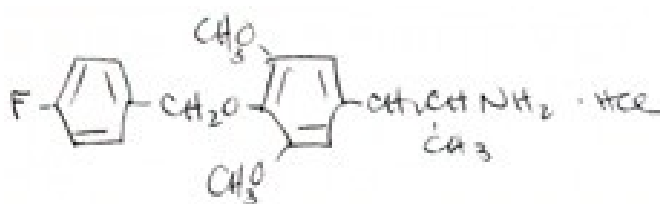


Robert running.

.  
.  
.  
.  
.

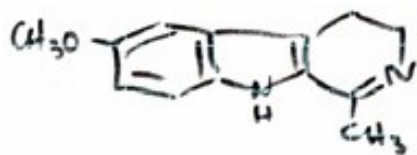
5/23/67      16 mg - Robert - no effects

7/25/67      61 mg - Robert - definite threshold. 12 noon - at 1 PM -  
amphetamine-like 2:00 peak - euphoria -  
diffusion of association - no question about it.  
3 - quieting down.



date

?	Robert	1 mg	no effect.
1/4/63	Robert	4 mg	no effects.

6-OCH<sub>3</sub> HARMALAN

6/9/67	1.0mg 9:35	
	2.5mg 10:40;	1.0 11:05; 3.7 12:20 Σ 8.2 mg (base) (3 hrs) N.Effect.
6/29/67	18mg 8:00AM	(in dil. HCl). no effect.
7/18/67	33.4mg 8:50AM	(in cap) trace unworldly 11:AM - no effect.

Hystradine:

(or 6-MeO-H<sub>4</sub>=harman, see index)

Andrew to 300 mg. no effects except pain in testicles.

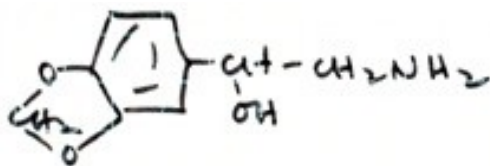
 - Andrew to 400 mg - NR



Berberine.

ex Andrew      to 300 mg. N.R.

2-OH-MDA.

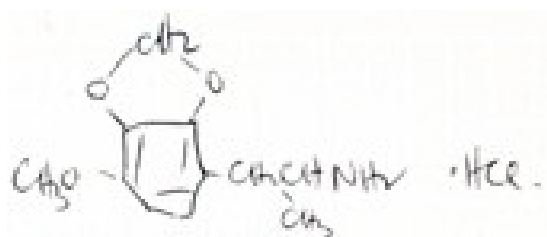


MDE  
methylenedioxyethanolamine

by Andrew to 100 mg, NR.

the report: June ~25, 1967

MMDA-36.



7/25/67	Robert	1.0 mg	N.R.
8/11/67	Robert	14 mg	Threshold?
8/15/67	Robert	22 mg	N.R.
9/19/67	Robert	37 mg	N.R.
1/19/68	Robert	57.5 mg	definitely active. - "qualitatively like MDA - ∴ quantitative - perhaps less!

[Editor's Note: The layout of the following plus the next page have been changed to better suit this format]

TMA-6 3/3/76 <sup>-</sup> 8.0 mg No effects. (see Robert (ATS - threshold  
Andrew [p.43](#)) on 12mg [p.98-99](#))

5/9/76 <sup>+</sup> 12.0 mg 12:25 (noon) maybe slightest threshold at 2-4  
P.M. - certainly clean at 5. n.e.

6/15/76 <sup>+</sup> 16.0 mg ATS 3PM = [0:00] - quite real. moderately long-lasting-  
max effects [2:30] - [5:00] something still at [7:30] - [see page 188](#)

5/25/77 <sup>+</sup> 20 mg ATS 9:25AM=[0:00][1:20] slight thin-head effects [2:00] light  
intox. - persists to [5:00 or 6:00] - very light stones. + at most. no  
residue. see 5/10/77 entry of 5-OCH<sub>3</sub>-DIPT sensory darts. something  
similar here.

10/4/77 25 mg <sup>+</sup> to <sup>++</sup> see p.253

MEM p 78. TMA-2 -

11.0 mg - day of lunch faces, fun, nausea of ice-cream cone.

MEM (11.0 mg)

10:20AM. 11.0 mg.  
 12:00 lunch - long - many faces - down  
 to Peppers - ice cream. - to Robert's lab.  
 1:20 - telephone - each side descending.  
 concentrate on both -> rotation.  
 books to office (1:30) & comments.  
 1:20 -> 1:30 slow - am sure no H<sub>2</sub>O next  
 day.  
  
 2:00 coming out - hazy - never  
 in control.

TMA2 (11.0mg)

10:00AM 11.0 mg 9/26/67  
 12-1 lunch more faces, more need of  
 language control then MEM - afternoon  
 into 2 or so before the intensified  
 black & white sparkle was certain to  
 be dying out.  
 At no point was this more than  
 very rich threshold - but it was  
 there and a real unworld.  
 As a unworld agent - this is  
 the more potent - but for  
 giggle & fun - MEM is probably  
 more effective.

at first approx —> A = B <—  
 must try both at maybe 15 mg. Maybe try will.

MEM Robert 12.5 mg = 10 mg TMA-2 p 112.  
 18 mg active p 78

ATS p 78 and above.

[-]

6/9/76 [8 mg] ATS n.e.

[+]

1:00PM

6/23/76 [12 mg] ATS threshold - [1:30] (2:30) real - some temple pressure & light-  
 headed- at AM [3:00] [4:00] still real - out [5:00] complete control.

11/20/76 [16 mg] ATS 1:30 pm afternoon of Pacific Overtures - possible marginal  
 effect - the [??] was itself bizarre - no evening problems.  
 Not a good expt.

4/23/77 [20 mg] [++] details on page 229

4/29/77 [25 mg] [++] details on page 229

5/4/77 [30 mg] [++] details on page 229

5/11/77 [30 mg] [++] see p 229, 233

5/21/77 [40 mg] [+] see p 229, 233

9/19/77 [60 mg] [+++]

TMA-2 12/24/75 [8 mg] ATS (11:20AM)

[1:30] clear threshold

[2:20] still threshold.

[±]

3/1/76 [10 mg] 5:15 [0:00]; [1:00] - [1:30] dinner -  
 strange evening (no EtOH > 1 month) stomach  
 cramp, but N. very ill. Read easily at [5:00]  
 and slept well. Bare threshold, that's all.

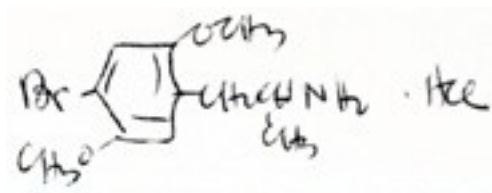
[++]

5/30/76 12+1 (blowout) = [13 mg] rather effective  
 dose - more than threshold - see p 185

2/6/77 [16 mg] [±] 10:10AM = [0:00] [1:05] sl.lighthead [2:00]  
 more noticeable - am I suppressing? [10:00] out if I was  
 in! slight if any effects.

4/2/77 20 mg [++] continue on 224

10/6/77 25 mg [±] see page 224



4BR.

9/21/67 10 µg - 4PM - no effect.

9/22/67 Robert 20 µg - 8:45 at 9:10 thought visual field changed - I watched him several times say "This is absurd" - he would ignore something that was certainly unreal - and in a moment, be made aware of it. Almost like threshold (at 20 µg!) Let us assume, no effects.

- 9/24/67 ATS 30 µg No Effect.

- 9/25/67 Robert 50 µg N.R.

- 9/26/67 ATS 100 µg N.R.

± 10/1/67 ATS 200 µg (9:45 AM) possible intox & altered judgment when drowsy - effect? probably NR

10/4/67 Robert 400 µg 1:55 mild effects at 4:00PM.  
on to 8PM - taper off to 2  
enhancement of visual perception + color. "Clean  
cold feeling of wind on skin. enhanced emotional affect. very  
comfortable & good feeling. Easy to sleep - colorful  
dreams (important). Not tired after 5 hrs sleep.

1973 - Jan-Feb all the Br<sup>82</sup>, Br<sup>77</sup> work. IV up to 40 µg N.E.  
Oral to 200 µg - trivial stimulation. RT, me, Lesly, Irvin

2/22/73 ATS 30 µg IV (25 µg Br<sup>82</sup>.) N.E.

Andrew received 101 mg 14 Oct 1967 - reported  
1.5 mg -> long duration but no  
increased effects.

Animal tox: Solution I.P. of 50 mg/Kg mice.  
0:02 twitching  
:09 irritated - avoid being probed  
:28 +2nd mouse - paranoia  
1:30 interaction pretty normal  
6:00 cuddle together - no later effect.

On to page 226

Harmalan. Harmaline.

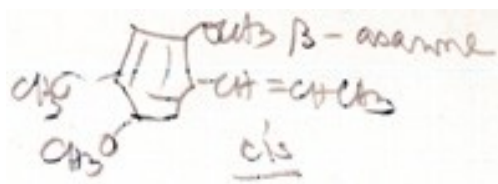
In mixtures.

Harmaline 250mg + 75 MDA -> 16 hrs + motor agitation

H ————— 250mg + 20 TMA-2 -> "

Clay Burke claims to have data. - Personal comm. (6/30/76) - oral 350mg - open eyes hallucinations - 1 1/2-3 hrs. as she recalls - drops off [with] more and more reassignment to eyes-closed. has written notes. early nausea.

My notes on page 225



2.1 Robert nothing (26 Jan) 1968

7.3 ATS nothing (29 Jan)

12.0 Robert (11/29/68) - Quite tranquil sans sedation

20.0 Robert Possible effects at 5 hrs

25 mg ATS nice (1 Feb 1968)

30 mg Robert as above (2 Feb 1968)

40 mg ATS 11:30AM 2/15/68 - 12:30 - 2 bite sandwich - all very real - 1:00 take MW to home - no effects.

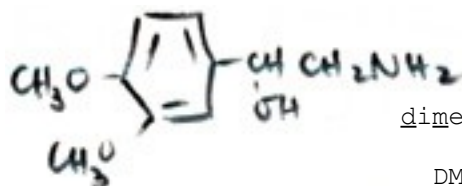
55 mg ATS 2/21/68 Post prandial - 1:15PM - No effects - evening wine very effective, but probably not unusually so. N.E.

70 mg ATS <sup>(9:45AM)</sup> -2/28/68 all systems turned up - but nothing switched on.

Mix [with] TMA-2

3/13/68 { 40 mg  $\beta$ -asarone (8:05AM) }  
 { 2.5 mg TMA-2 (8:45AM) }

4/18/68 { 40 mg  $\beta$ -asarone (9:35AM) } my note is blank, thus I assume, no effects.  
 { 10 mg TMA-2 (10:18AM) } (note found 11/27/76)



dimethoxyphenylethanolamine

DME

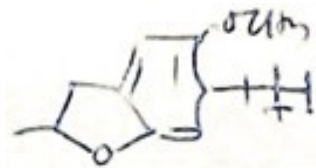
Robert	50 µg	12:00	5/8/68	NR
ATS	100 µg	1:15	5/8/68	NR
ATS	200 µg	9:10AM	5/10/68	NR 0.04 ml @ 10 mg / 2 ml
Robert	400 µg	? PM	5/10/68	NR
ATS	800 µg	10:50AM	5/13/68	NR- The iraqi face at 1:30?
Robert	1.6 mg	1:50PM	5/13/68	NR? real 3:00 PM? Intensely sleepy 4:30
Robert	2.5 mg	1:45PM	5/15/68	
Robert	5.0 mg	12:05	5/20/68	NR?
ATS	10.0 mg	11:00	5/21/68	NR
Robert	19.5 mg	4:00PM	5/22/68	nothing
ATS	32 mg	9:55AM	6/4/68	vigorous diarrhea at 1:30 - but greasy fish and chips at 1:00 - NR.
Robert	55 mg		6/7/68	probably nothing.
ATS	75 mg	12:53	6/27/68	nothing (mild bitter taste).
Robert	115 mg	4:50PM	6 Nov 68	Robert - faintly nauseous 1/2 - 1 hr. more alert in evening than normal.

Mouse tox. 7/5/68.

[0:00] 200 mg/Kg  
 [0:01] rear-end stretch - poor mid-leg function  
 [0:07] hypokinetic - catatonic? [1:40] normal  
 [0:00] 800 mg/Kg [0:11] bear walk [0:17] slow walking but good coordination. [0:30] All scrunched up - not easily probed to move. He Survived.



2-M

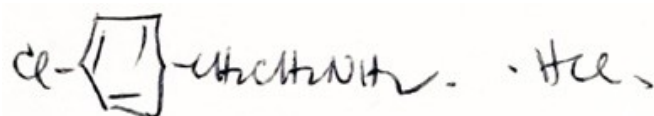


mixed isomers

	Date	AMT.	Time	Effects.
		(0.01ml)		
	9/5/68	8 µg (Solu)	4:45PM	NE
	7/6/68	20 µg	10AM	NE
	7/7/68	40 µg	9AM	NE
	7/13/68	80 µg	8:30AM	NE
RT	7/19/68	160 µg		NE
"	7/24/68	320 µg		"
"	8/5/68	640 µg (0.8ml)		"
"	8/7/68	1.28 mg (1.6ml)		"
"	8/8/68	2.56 mg (3.2ml)		"
"	8/12/68	4 mg (5ml)		NE
ATS	8/13/68	6 mg (7.5ml) actually 4.8mg 6ml		NE (silly, but probably NE)
ATS	8/15/68	6.0 mg		no effect.
TS	19 Aug 68	14.0 mg solid.		no effect.

toxicity on 2M-mice

2:54PM 100mg/Kg [0:01] OK [0:02] slowing down - [1:00] normal  
 3:15PM 150mg/Kg i.p. [0:05] odd gate [0:10] no response to prodding [0:11] dead  
 2:37PM 200mg/Kg i.p. [0:06] difficulties in walking [0:07] on back [0:11]  
 convulsive thrashing. [0:12] dead.



Andrew 2mg - NE.  
500mg orally (AF) N.R. —

CH<sub>3</sub>CH<sub>2</sub>OH

ethanol

Wash-out starts ~ end of January 1976 - rigidly no ethanol of any form. Exceptions:  
(aug 1976)

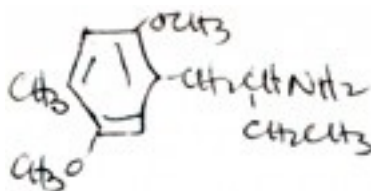
Several glasses of wine Timber Cove ^ nuchalis note intox - not too pleasant.  
Exceptions: one glass champagne & 1 glass dinner wine Jan 1 (Dec 31) 1977 -  
excellent taste! - no effects.

- 5g (95%, diluted to 80ml) 10:00PM 6/8/77. no effect.

- 10g (95%, diluted to 80ml) 4:51PM [0:00][1:10]=? no. no effect.



## Ariadne



12/~4/68	ATS	1:00AM	0.05 mg	N.E.
12/6/68	Robert	PM	0.10 mg	N.Effect.
12/8/68	ATS	12noon	0.20 mg	- PM [with] a little wine & grass - amnesia to 6AM. no effect?
2/20/69	ATS	9:45AM	2.5 mg	- almost believable mood elevation - no sensory.
13Mar/69	Robert	4PM	2.9 mg	- seemed definite mood $\uparrow$ - nothing perceptual - antidepressant sans jitters of speed.
	ATS		4.0 mg	Nothing: or 1 hr of busy enthusiasm evening - extremely tranquil - <b>grasses</b> at Claremont Hotel.
17/Mar/69	Robert	4:30PM	4.5 mg	Worked [with] enthusiasm - cleared up 4 year inventory of procrastination!
	ATS	~10:30	6.0 mg	Manic all day - definitely anti-depress wild at Dow.
May 13 1969	Robert		5.0 mg	Going with efficiency into third day - the schizo on remission incident. Very effective.

Mouse toxicity: March 7, 1969

25mg/Kg i.p. 11:58AM [0:02] slow, awkward gait [0:12] move when prodded - some  
tremors [0:27] occasional "hiccup" spasm - moves about but oddly [3:00] all OK

50mg/Kg 1:55PM [0:12] spastic shivering [1:15] tremors. survived.

100mg/Kg i.p. 11:45AM. [0:03] not moving much. [0:05] tremors - unsteady  
gait. [0:08] - convulsions - death.

June-July 1970 G.W. notes - [Page 192-193](#).

↪ Blind studies

d(+) TMA-2

8°(+) i.e., 80% pure (theo + 10°). (accd. Adam) -  
D is d - 30% pure  
i.e. 65% d  
35% c

Robert		1.0 mg	nothing.
7/24/69	ATS	3.2 mg	(11AM) nothing.
7/31/69	ATS	5.5 mg	(11:30AM) nothing.

1(-) TMA-2

10°(-) - pure isomer.

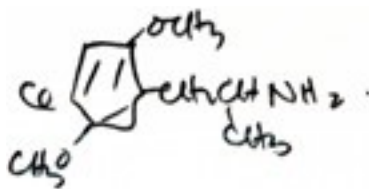
"Adam" - L is L

40% pure

i.e. 70% l

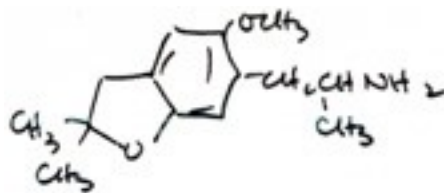
30% d

Robert	4 mg	some color
Robert	6.0 mg	euphoria - no perceptive changes - max at 3-5 hrs. unpleasant after effects - not desirable?
ATS	7.7 mg	Sept 18 9:30AM



PCL  
4-Cl. DOCL

- |                     |           |          |  |
|---------------------|-----------|----------|--|
| - June 19, 1971     | 12:15     | 0.030 mg | - no effect. - The next day, Sunday was wild (nice) with hints of a LSD-like intoxic, but not believably related to Sat. exper.  |
| - October 8, 1974   | 9:00AM    | 0.10 mg  | - no effects.  |
| - February 19, 1975 | 10:45AM   | 0.20 mg  | - probably no effects- some peripheral in a few hours? Not to be believed.   |
| - July 4, 1975      | 12:00noon | 0.30 mg  | - 1:00 - lightness? - early rush?<br>3:30. real teeth gritting - gone by 8:00, ∴ N.E.  |
| ± Jan ~25 1976 Sun. | 11:30AM   | 0.40 mg  | - 2:30 [3:00] twinges of unreality - not too nice [3:00] → [5:00] mastoidal pressure, like a yawn - continuous basically an unpleasant afternoon. nothing really - certainly nothing psychological - but maybe physical. |

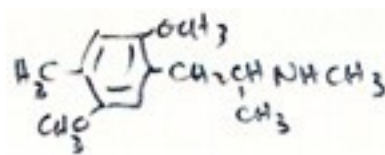


F-2,2

Oct 20	2:50PM	0.010 mg	no effect.
Oct 22	noon	0.025 mg	no effect.
Oct 25	~1AM	0.05 mg	no effect - taken on polar flight to Copenhagen. After couple of drinks, dinner. Dozed a while - Had no jet lag.
~Nov 5?	?	0.08 mg	no effect.
Dec 13, 1971	8AM	0.125 mg	no effect.
Dec 27, 1971	7AM	0.175 mg	no effect.
Jan 8, 1972	noon	0.25 mg	no effect.
May 13, 1972	9:30AM	0.4 mg	no effect- foul mood all PM- not able to coordinate efforts - it was hot outside.
May 28, 1972	10:30AM	0.65 mg	no effect
April 17, 1973	7:30AM	1.0 mg	no effects.
May 18, 1973	7:30AM	1.3 mg	no effects.
May 28, 1973	10:00AM	1.7 mg	no effects.
June 12, 1973	7:45AM	2.6 mg	no effects.
Febr 12, 1975	9:35AM	4.2 mg	no effects.
April 15, 1975	11:50AM	7.0 mg	no effects.
May ~20, 1975	9:00AM	10.0 mg	something at 1 1/2hr? no effects.
June 14, 1975	8:30AM	13.0 mg	no effects.



N-Me DOM.



-	3/5/72	1PM	0.1 mg	N.E.
-	3/10/72	6:30AM	0.2 mg	N.E.
-	4/2/72	11AM	0.4 mg	N.E.
-	4/9/72	10:30AM	0.7 mg	N.E. (slight headache next AM - wine?)
-	4/16/72	~10AM	1.1 mg	N.E.
-	4/22/72	~10:30AM	1.6 mg	N.E.
-	6/20/72	8:30AM	2.2 mg	N.E.
-	10/1/72	10:50AM	3.0 mg	N.E.
+	10/15/75	8:35AM	3.0 mg	a very slight unworldly feeling at roughly 2-4PM (6-7 hrs into it) and was thoroughly manic all day. Probably N.E.
±	11/14/75	10:15AM	4.0 mg	felt an even, flat, ill-at-ease all day-N.E.
±	11/29/75	10:30AM	5.5 mg	2PM some unreal - as if a slight effect was stretched out over the whole afternoon.
+	2/15/75[76?]	8:50AM	6.5 mg	at 10:20 <u>1:30</u> an intenseness of some overpowering threshold - strange threshold through 1 or 2PM <u>4:00 - 5:00</u> - no after effects - quite willing to go on.

## Optically Active DOM

1-(-) DOM

3/29/72 10:30AM 0.15 mg - pressures in chest (CN-inhibition-like) at ~5 hrs - no effects.

4/4/72 10:30AM 0.3 mg - maybe slight wirey - no effects.

4/14/72 9:40AM 0.5 mg - fully stoned [with] a mg of DOM - lunch [with] D. Hanson- afternoon [with] the throw aways with Paul Brewer - manic - a trace of time slowing - but otherwise full hysteria - — Lisa Carlson - overhearing a comment from me to Ken - she has an acute hearing, if nothing else- Brewer is **loved** here. Comments with Rick - the certain comment - clearly the 1.1mg of DOM & the needed stenographia had some mydriasis - pretty much clear by early evening.

d(+) DOM

3/31/72 10:30AM 0.15 mg NE.

4/11/72 1:30PM 0.3 mg NE

4/17/72 9:40AM 0.6 mg NE

5/30/72 10:30AM 1.2 mg in middle of afternoon - extensive diarrhea - late PM- teeth grinding - tense! absolutely no central turn-on however. N.E  
cal. chem. lib.

8/4/72 11:45AM 1.7 mg N.E.

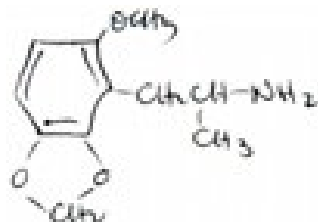
8/16/72 11:45AM 2.0 mg (new solution)NE (pulse ~2:00PM) 88 - that's all.

8/21/72 11:30AM 2.6 mg - I feel that there were CNS stim - some mydriasis, some pulse and signs of blood-pressure? - teeth rubby - but still no turn on whatsoever. Hold up Nature paper for one more try [with] actual dynamic measurements.

ex E. Holland friend [with] ne. at x mg (+)STP on next day had severe Rx [with] poor hashish.  
See comments on N-Me DOB p208.

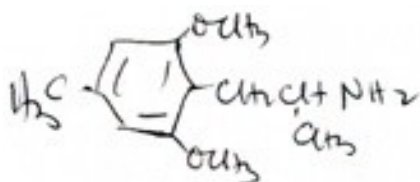
ex. Mark Leon

MMDA-5



ML active, at about 30 mg, orally. Modestly  
active - not too pleasant. - he equates qual. to MMDA-3a (late 1972)

QH (per ML) 15 mg - no report.

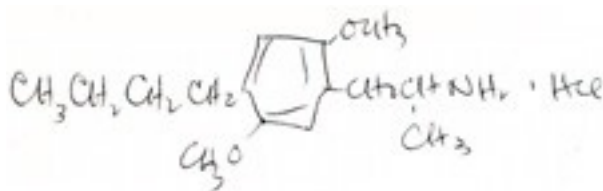


Active at 3-5 mg orally - equivalent to 1-2mg of DOM.  
See page 190 for my own assay.

March 12 1974 ATS 2.2 mg (9:40AM) By 12:50 light-headed - between 2PM to 5PM  
increasingly wound up (manic, intox) 5-8 - 2 martinis & dinner  
at Capp's (wine, a little - taste awful) - couldn't drink much-  
Whistler's Trial to 11 PM - couldn't sleep 12-4AM then cat  
nap - AM no hangover. Clear threshold at 2.2 (≈ DOM at 1.0)

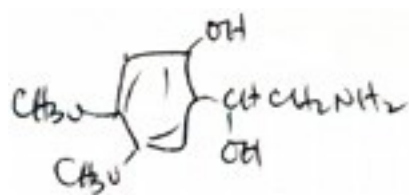
If DOM = 80 M.U.  
DOBU = 36 M.U.

## DOBU



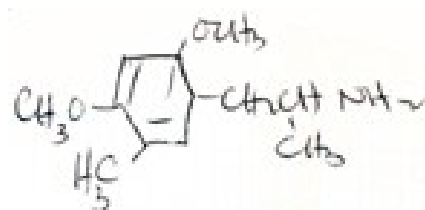
Jan 21, 1973	ATS	0.025 mg (12noon) N.R.
Jan 25, 1973	ATS	0.05 mg (6:30AM) N.R.
Feb 10, 1973	ATS	0.10 mg (9:00AM) N.R.
Feb 21, 1973	ATS	0.20 mg (8:00AM) N.E.
March 26, 1973	ATS	0.40 mg (9:30AM) N.E.
April 27, 1973	ATS	0.65 mg (7:45AM) N.E.
May 22, 1973	ATS	0.80 mg (8:00AM) N.E.
May 29, 1973	ATS	1.10 mg (7:45AM) Possible twinges at ~11 AM? N.E.
July 12, 1973	ATS	1.4 mg (8:00AM) Rather sweet? After 2 glasses wine at 2PM (late lunch) some time slowing - 3 to 5 Fleming's chapter went well 5:30 maniacal fury at ♀ cat for pot in greenhouse - easy intox [with] EtOH? Probably no effect, but if there is, slow onset. N.E.
Aug 18, 1973	ATS	1.8 mg (7:45AM) no breakfast, no booze, no effects.
Sept 3, 1973	ATS	2.3 mg (11:10AM) Careful - at 3-5PM rubby teeth, uncomfortable parasthesia - no mydriasis - no CNS effects at all - separate peripheral from central? Go slowly - No effects (central).
Dec 26, 1973	ATS	2.8 mg (7:30AM) - Nothing until ~3PM. Some irritability - then rubby - mydriasis - stimulation - but really quite clear. (phone calls to Duke, Davis, but then the lawyer - LF mixup) - still tight at 6PM then wine (quite a bit) but never quit sloppy I <u>do</u> believe this is peripheral stim. Was I more alert mentally? I doubt it. Got and completed the coke analysis and fielded (about) 3 <u>layer phone</u> structures. Go slowly - next day depressed mood & feel most ill - did not sleep through night (dozed?). In retrospect - that evening I drank much wine (to get to sleep) and I was in no way drunk! - was AM a "hangover" coupled [with] no sleep and is DOBU an anti-alcohol?

DOBU  
continued



ex Bobby

Date	amt.	who		results
8/8/73	25 µg	ATS		no effects
8/11/73	50 µg	ATS		no effects (solution slightly brown).
8/18/73	100 µg	ATS	11:30AM	N.E.
8/30/73	250 µg	ATS	8:30AM	N.E.



·HCl.

Blind

[Editor's Note: Folded note stuck to page]

Also present:

DOM (HCl)  
amphetamine sulfate.

as F-310 - 20 mg no effects-  
Ron V.

(code) ex  
Donna

(A)

date amt

(B)

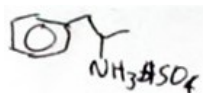
date amt

(C)

date amt

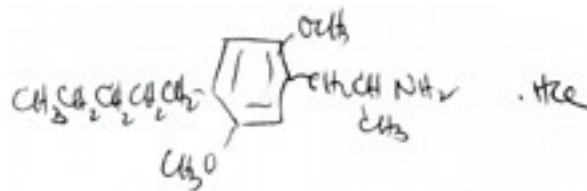
[Editor's Note: Contained in the folded note above]

A                      F310                      100.0 mg

B      d-                       100.0 mg

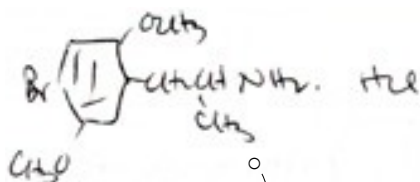
C                            100.0 mg

## Trials on DOAM



Feb 21, 1974	9:40AM ATS	0.6mg	minor irritability in PM. N.E.
Feb 28, 1974	7:50AM ATS	1.2mg	no effects at all.
March 9, 1974	10:30AM ATS	2.0mg	no effects.
March 27, 1974	10:30AM ATS	3.0mg	Couldn't sleep midnight -> 5AM. Otherwise N.E.
April 13, 1974	10:45AM ATS	3.5mg	no effect (slept well)
May 16, 1974	7:45AM ATS	5.0mg	possibly 10AM - 11AM speech mis-articulation spent AM [with] Markus - was strongly witty- "To climb walls takes great talons" "Day of Great Expectorations"-(assay of Rey de Oro) No sequelae - no trouble sleeping. Probably not threshold - try modest step forward however
May 27, 1974	8:30AM ATS	6.0mg	no effects - no problem sleeping. ∴ < 13 MU.
June 5, 1974	8:30AM ATS	7.5mg	no effects. ∴ < 10 MU.
Aug 1, 1974	9:20AM ATS	10.0mg	clear threshold. Quite gay & voluble at lunch (Clay & Oliver) and bubbled into afternoon. 3 - 5 a little teeth rubby - some motor incoordination in writing - strange tenseness in driving home from med center. Much sherry & sleep somewhat fretfully but O.K. 10 MU.

## Optically Active PBR.



(The "R" isomer was assayed [with]  $\text{Br}^{82}$  i.v. & had identical body distribution to the dl).

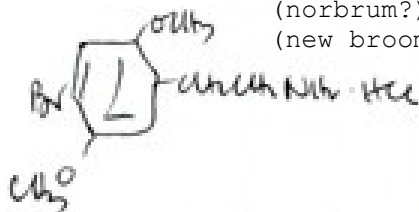
"R" (-)

"S" (+)

- |   |   |
|---|---|
| - March 11 1974 0.10mg ATS 2:00PM<br>no effect.   | Aug 16 1975 0.10mg ATS 11:30AM no effect. -   |
| ± 10/5/77 0.20mg ATS 7:50AM - at<br>[3:00] a warmth and generalized<br>clear feeling. - persists for a<br>couple of hours. possible ±<br>no residue.  | May 24 1976 0.20mg ATS 10:30AM starry at -<br>2PM? no effects.  |
| ++ 10/21/77 0.5mg 9:02AM =[0:00]<br>[1:30] real & underway [1:45] am<br>at + one - clear and obvious -<br>maybe ++ [4:00] smooth ++ intox -<br>largely window quite functionable<br>- but probably not drivable.<br>[5:00] some dropping [5:30] drop<br>quite quickly to + or below. [8]<br>still aware [11] some awareness<br>still. [14] terrible sleeping -<br>residual stim! ++ | 6/1/77 0.5mg ATS 9:00AM - 10:15? 11:00? -<br>no effects.<br><br>9/5/77 1.0mg ATS 10:30AM=[0:00] something ±<br>warm and nice at [1:30]? at<br>[3:00] - still ? if so, very<br>slight. [5:00] nothing. ± at<br>most. |



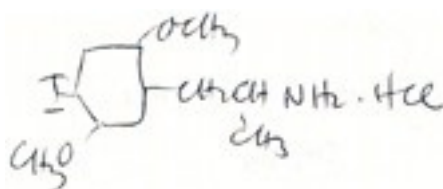
Trials on 2-Carbon PBR  
(norbrum?)  
(new broom?)



Letter from Lucas Schmidt  
-1 - 5 mg [with] an  
MDA-like action.

June 25 1974	0.5 mg	ATS	(11:15AM) no effects.
July 9 1974	1.0 mg	ATS	(9:00AM) no effects.
Sept 28 1974	1.6 mg	ATS	(10:30AM) aimed for door in PM- light effects (?) 11:30-12? trivial parasthesia. no effects.
October 13 1974	2.1 mg	ATS	no effects.
October 20 1974	2.6 mg	ATS	no effects.
Oct 26 1974	3.2 mg	ATS	possible mild enhancement of senses- smelled Kevin's chewing gum at 20 ft. Quite a bad mood in evening. Very depressed by the waste of time at Lolomo - everyone wastes his life, etc.
Nov 3 1974	3.8 mg	ATS	no effects.
Nov 17 1974	4.5 mg	ATS	(noon). Probable sensory sparkle in the hour. Remarkable omelette with bits of cheese, onion, extremely enjoyable. Threshold? no after-effects, certainly nothing abrupt.
Dec 30 1974	5.5 mg	ATS	(11:15AM) - threshold at ~1 hr. ate at 1 1/2 - enjoyed - intense org at ~ 2 1/2 hrs- completely clear in 4 hrs.
Jan 8 1975	7.0 mg	ATS real -> time	(8:15AM) Beautifully effective. <u>0:40</u> light headedness noted <u>1:00</u> coming on - it is step-wise building, but each step is easily handled (assimilated) in turn. <u>1:15</u> getting quite exciting - all inputs at once and fun - piano - radio - telephone - typewriter. <u>1:35</u> Mandy leaves for town. marvelous. <u>2:00</u> to lab - good org - synthesize the poem 100 million spermatozoa; some girls some boys. <u>2:05</u> Eat a melting apple <u>2:45</u> coming out quickly - regrets - would like to stay. <u>3:45</u> lunch, chess - cold sober - fully active.
March 16, 1975	7.0 mg	ATS	(12:10-4hrs post absorptive) almost nothing at <u>1:15</u> (elapsed time - maybe coming, maybe not; at <u>2:15</u> - a hr of heaviness - dryness in back of nose - maybe slight dilation) that is all.

## Trials m 4-I



4-I

- July 1 1974 0.020 mg 1:00PM ATS There was almost some tooth-rubby - at about 2:00- beer [with] lunch therefore no effect - go a bit slowly.
- July 4 1974 0.040 mg 10:50AM ATS No effect
- July 11 1974 0.065 mg 8:35AM ATS No effect
- Aug 8 1974 0.10 mg 8:30AM ATS General stimulation in P.M., but heavy exposure to I<sub>2</sub>. ∴ no effect.
- Sept 7 1974 0.175 mg 10:00AM ATS no effects
- Jan 10 1975 0.25 mg 9:55AM ATS no effects
- + Jan 20 1975 0.40 mg 10:15AM ATS 2:30 (12:45PM) very lightly spaced real time-> 5:30 still lightly spaced getting a lot done  
5:45 (4:00PM) a bit more! a trace of teeth rubby  
10:45 (9PM) try to soften [with] booze- no intox- no sleep O.N. cat naps at best - repeat old CIA dream - AM - OK - no penalty for lack of sleep. Is this a opel that is a sense blockade? -Note 4-Me·2 carbon of Jan 11, 1975; the no-booze effect - The no-sleep effect?
- + April 29, 1975 0.60 mg 9:30AM ATS 3:00 nice spaced light-headedness-clear threshold. 4:00 still light-headed. time moving slowly.  
5:00 (2:30 on clock) Still there - slow tour of farm - sad reminiscences-at lower house (recalling pleasures now gone)- Ted's earlier days (high-school teen - "bat me a few" - I see the area-farm- getting old around me- I just can't do it all, and no-one else cares. Will I be allowed to be here when I am older. 7:00 Things seem to be becoming back-to-present.
- ± Aug 18, 1976 0.40 mg, 16μc <sup>131</sup>I 11:35AM could kid myself at 3:00PM. otherwise n.e.

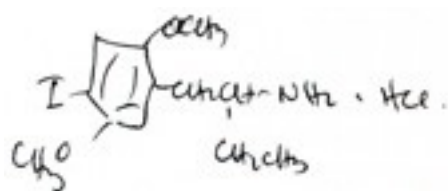
[Editor's Note: The following is a continuation from the previous page]

~April 1975 7.0 mg ATS Third try: 10:AM = 0:00 (10:10 in kitchen clock)  
1:15 light-head 1:40 pleasant high - I can explain earlier contradiction - I was looking for the wrong thing.  
2:10 full pleasure of everything 3:00 gone, largely.

Oct 24 1976 8.0 mg ATS (2:10=[0:00]) [0:50] 1st hint [1:05] slight [1:10] very gradual -no eye-throw [1:30] up to 10-20% "window" effect of MDMA - slight edge effect loss. [2:05] substantially out - little effect overall- yesterday was 100mg MDMA - perhaps some tolerance?

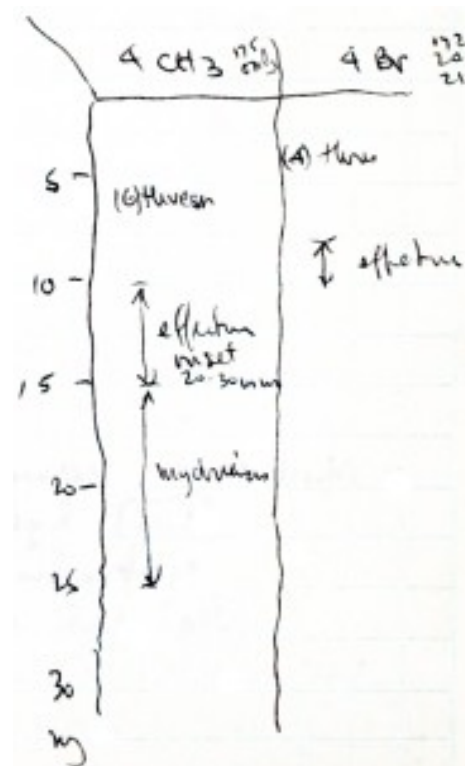
continue on page 204

## Acute Trials.

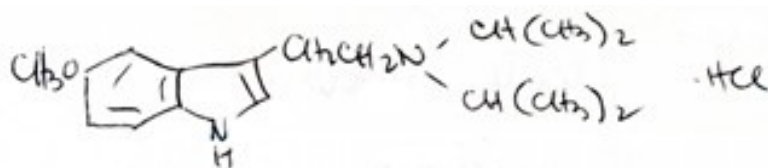


August 23 1974	10:40AM	ATS	0.5 mg	no effects.
Aug 26 1974	9:30AM	ATS	1.0 mg	mild tinnitus in pm. no effect.
Sept 2 1974	11:35AM	ATS	2.0 mg	no effects.
Sept 27 1974	8:45AM	ATS	4.0 mg	no effects.
Aug 11 1976	11:25AM	ATS	4.7 mg	(12.4µc <sup>131</sup> I labeled) - almost none to the brain. Liver, gut has all. Body load - no central effects.

Comparison Of Phenethylamines  
add to paper with Henry

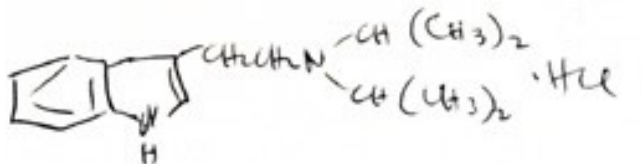




5-OCH<sub>3</sub>-DIPT

- June ~4 (Thursday) 1975 8:45AM 1.0mg no effects
- ± June ~10 (Tuesday) '75 10:20AM 1.8mg Visited LF at Dow - Bridge at ~12:00  
with noticeable tremor - hand shakes -  
poor bridge. dilation? prob. no effects.
- June ~28 (Sat) 1975 10:10AM 2.5mg slight teeth rubby - no effects.
- + July ~17 (Wed) '75 10:40AM 3.2mg real threshold - or a bit more!  
real time
  - :20 mild light-headed - nice
  - :30 light intox. very nice - look forward  
to more.
  - :50 walked out to mail. gentle sparkle and  
compelling amazement at my hands - quite  
apart from me - sensory anesthesia? -  
a warm, friendly, allied world about me.
  - 1:30 signs of dropping
  - 1:35 B1 - magnificent -
  - 1:45 (12:25PM) definitely dropping off - slight  
residual tooth-rub.
  - 3:05 drove well - completely out.
- ++ July 30 1975 (Wed) ATS 9:30AM 4.0mg real time 0:00 real effects.
  - 0:25 Knees a bit wobbly - something is happening.
  - 0:35 orgasm-like feeling on face, in eyes, at temples- erotic!
  - 0:55 spaced - completely delightful - some light flickers (above  
line of sight) - enjoy play on words. light lighting, ect
  - 1:10 Tom phoned - strong startle Rx - MDMA-2 info! 209 ≡ 209  
am I past peak?
  - 3:00 completely out.
- + August 27 1975 10:15AM 5.0mg 0:00
  - 0:15 light of head? dry of nose? psychosomatic
  - 0:20 slight muscular shakes
  - 0:23 on it comes - nice
  - 0:30 full. slight dilation
  - 0:50 whatever I went to attend to, is fully amplified. I  
keep moving about with my eyes, ears, senses, to see where  
they will adjust. Music, a symphony from a 3" speaker  
is artificial - the piano (real) is excellent
  - 1:15 maybe down a bit. Ted came, wanted 50 ml HOAc - handled  
well. 2:00 substantially out.
- +++ Sept ? 1975 9:30AM 6.0mg. - [notes on page 191](#)

continued pg. 218



DIPT

± July 9 1975 ATS 10:30AM 10.0 mg Threshold - Clear dilation -  
much tooth rubby - 1hr  $\uparrow$  2.5hr  $\downarrow$ .

+ August 3 1975 ATS 9:50AM 14.4 mg More than threshold.

0:30 teeth rubby - some effect.

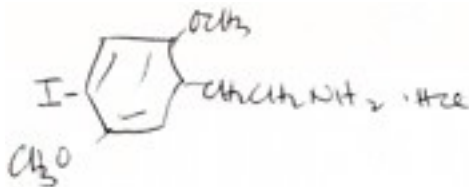
0:50 not light head, but light body. from here to about 1:30 a  
strange trip [with] my mother's writings - mom-son-dialog.  
lunch finally at 12:00 and this. 2:10 still a little unreal -  
not the 5-OCH<sub>3</sub> erotic - but some real effect. Up again, but  
slowly.

ML report late 1972 - 25 mg orally  $\Rightarrow$  visual change in forms, not color - 1hr  
of it is like acid, and in three hours it is over.

++ Nov 9 1976 ATS 4:00PM 18 mg [00:0]. Mild effects noted at [1:00-1:20] easy  
eroticism [1:30-2:30] remarkable changes in sounds heard. Mandy's voice is  
barro like a cold - my ears [with] sl. pressure as if the eust. tubes clogged  
but they aren't. Radio voices are all low - music out of key. Piano sounds  
like a bar-room disaster. Cannot count on auditory feedback to play. The  
telephone sounds partly underwater No - sounds at 2 levels. [3:40] I think  
music pretty much normal again. virtually no other effects. Certainly clear  
at [6:00] - probably much earlier.

++ April 8 1977 ATS 9:20AM 24 mg [00:0] at [0:20] same slight change [0:30] first  
signs of pitch change on radio - hand writing very poor [0:43] in lab - music  
deteriorating - I cannot measure rate of drug effect - as there is absolutely  
no window [0:55] absolute pitch down a major third - chord on piano sounds  
out of tune, quite flat - and when struck, levels to drop and then waver in  
pitch. terrible [1:30] good ?? - music extraordinary and unlistenable. [2:00]  
middle notes - (G above C to E above c above C) have glockenspiel after-  
sounds. nowhere through here. and on to [3:00] when there is straightening  
out - were the other senses in any way affected [5:00] sounds returning - in  
a quiet environment there are absolutely no effects of any kind. If I were  
deaf this would have been an inactive dose. How many other drugs have I given  
a (-) to because I did not know where to look! [7:20] - hearing normal. piano  
back in tune. ++.





2-carbon  
DOI  
4T

Jan 28 1976	10:55AM	ATS	0.5 mg	no effect.
	3:55PM	ATS	1.0 mg (4.2μc <sup>131</sup> I)	no effect.
- 1/29/76	?	Colin	2.0 mg (~7.5μc <sup>131</sup> I)	no effect.
± 1/30/76	10:20AM	ATS	5.3 mg (20μc <sup>131</sup> I)	

Animal aside -  
rats [with]  
Colin + Brent  
50µc/11mg  
<0.3% thyroid  
55% in gut.

Pharmacology: distinct threshold - piano lesson to 12 N  
but ~11:30, in Franck prelude sight-reading - things got  
strange - driving back to U.C. needed care. Body scanner  
all tied up try Kyle. back in at 2:30 for scan. all  
effects gone by then.

Radioautography - 22 min scan (1/2) - 44 min scan head & throat  
 Right hand contamination -> ~0.2 $\mu$ c internal standard.  
 based on this.      load      % of 20 $\mu$ c.

hand	0.2	
brain	~0.02	~0.1%
thyroid	~0.05	~0.2%
salivary glands	~0.05	~0.2%

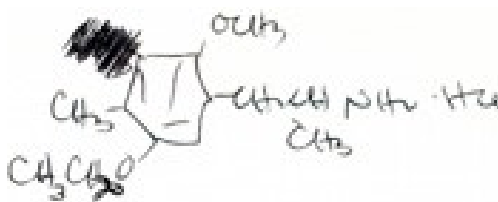
Very fast excretion (with 1/28/76 run - 25% in 2.5 hrs, 80% in 16 hrs)  
(with 1/30/76 run - work up pooled 4 hr)

± 3/7/76            11:10AM   ATS   6.5 mg [0:00] at [1:30] slight light head. at most.  
                        a marginal threshold

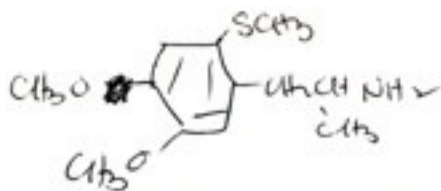
8/2/76 6:30PM ATS 8.0 mg 0:00;[1:40] "eyes out of focus" - coming  
± (+) on - some dryness in throat-nasal area - [2:00] - still finding humor in  
everything. but teeth rubby - nose "snorty". [2:30] some retinal blurring-  
ripples in pants leg (in near darkness) can be ripples by twitching  
thigh - but even now - effects wearing off. real threshold. Am  
willing to try a little higher.

++ 11/28/76 10mg ATS 10:15AM =[0:00] at [0:40-0:50] feeling of filters being pulled over the ears. [1:10] more so - no hint of window [1:35] some cloudy of vision - this is not the 4 Br 2 carbon in any way - I am in a not-too-sensible stoned state no earmarks to locate effect - basically I don't like it - being psychoto-mimeticized without a sense or virtue to point to. [5:00] completely back together again. I feel I am insensitive - Someone else might find this most disruptive. Or [with] care, or in someone else.



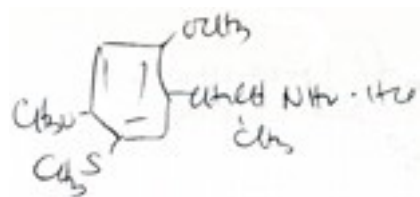
IRIS

- 3/13/1976	11:25AM	ATS	0.1 mg	no effects
- 3/16/1976	10:45AM	ATS	0.2 mg	n.e.
- 3/19/76	10:30AM	ATS	0.4 mg	n.e.
- 3/21/76	11:15AM	ATS	0.7 mg	n.e.
- 3/23/76	11:30AM	ATS	1.0 mg	n.e.
- 3/28/76	11:00AM	ATS	1.6 mg	n.e.
- 4/8/76	10:00AM	ATS	2.5 mg	n.e.
- 4/11/76	11:15AM	ATS	3.5 mg	n.e.
- 4/16/76	10:30AM	ATS	5.0 mg	n.e.
± 4/24/76	10:10AM	ATS	7.5 mg	Threshold at 1:30 <u>3:20</u> and in an hour <u>4:30</u> all over. Completely believable. Try next at 9.0mg.
± 5/2/76	11:15AM	ATS	9.0 mg	slight teeth rub <u>4</u> light headed <u>5:00 - 6:00 ?</u> little effect if any.



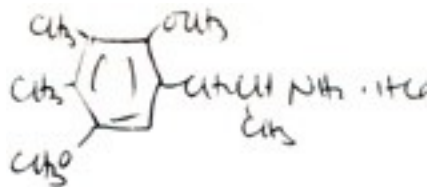
ORTHO DOT

- 3/17/76 11:45AM ATS 0.1 mg no effect
- 3/20/76 10:30AM ATS 0.2 mg n.e.
- 3/25/76 11:30AM ATS 0.4 mg n.e.
- -> <- 4/1/76 0.8 mg 10AM n.e.
- 4/10/76 11:00AM ATS 1.0 mg n.e.
- 4/17/76 12:10AM<sup>(noon)</sup> ATS 1.6 mg n.e.
- 4/21/76 10:40AM ATS 2.5 mg n.e.
- 4/30/76 11:30AM ATS 4.0 mg n.e.
- 5/10/76 12:20<sup>(noon)</sup> ATS 6.0 mg n.e.
- 5/17/76 10:40AM ATS 10 mg n.e.
- ± 8/20/76 2:45PM ATS 16 mg maybe was sl.spaced 5-7PM, nicely. Maybe not. n.e



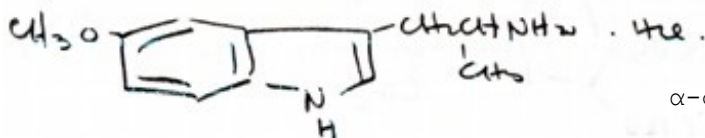
METADOT

-	3/18/76	10:15AM	ATS	0.1 mg	no effect
-	3/22/76	11:30AM	ATS	0.22 mg	n.e.
-	3/28/76	11:15AM	ATS	0.50 mg	n.e.
-	4/9/76	10:30AM	ATS	1.0 mg	n.e.
-	4/15/76	3:30PM	ATS	1.6 mg	n.e.
-	4/19/76	11:10AM	ATS	2.5 mg	n.e.
-	4/26/76	10:30AM	ATS	4.0 mg	n.e.
-	5/3/76	10:15AM	ATS	6.0 mg	n.e.
-	5/14/76	12:55noon	ATS	10 mg	(new solu.) n.e.
-	8/6/76	11:00AM	ATS	16 mg	(weighed) n.e.
±	6/22/77	10:30AM	ATS	25 mg	[1:15] extremely thin threshold? [5:00] Still a little raw neurologically. Some sense-darts now and then. [8:00] all clean. at most, ±



GANESHA

- 4/6/76      2:00PM    ATS    0.1 mg    n.e.
- 4/18/76    11:00AM    ATS    0.25 mg    n.e.
- 4/22/76    10:15AM    ATS    0.5 mg    n.e.    (starry at ~3pm?).    n.e.
- 5/1/76      10:50AM    ATS    0.7 mg    n.e.
- 5/6/76      11:00AM    ATS    1.0 mg    n.e.
- 5/12/76    11:45AM    ATS    1.2 mg    n.e.
- ± 6/11/76    8:30AM    ATS    1.6 mg    possible threshold dose taken unfortunately  
within an hour of breakfast. [2:00]-[2:30] slight unworldly. Still there at  
[4:00]. effects?
- 6/27/76    10:25AM    ATS    2.0 mg    probably n.e.
- 7/7/76      12:00noon    ATS    2.9 mg    (eat lightly 12:45-1:15) 4PM sl. humid feeling?  
n.e. (P.S. unable to get to sleep that night until 3-4AM next day, several  
light-headed moments - take a no-experiment break of several days - 7/9/79  
- no residues - n.e.
- 7/22/76    12:00noon    ATS    4.0 mg    slightly harsh, brittle in afternoon. n.e. no  
after effects in next day. n.e.
- ± 9/4/76      11:20AM    ATS    5.0 mg    some mild threshold 1:30-1:45? disappointed  
there was no more. n.e.
- 10/2/76    11:30AM    6.5 mg    afternoon of "Wiz", slight if any effects. n.e.
- ± 11/13/76   2:30PM    8.0 mg    (solution is turning slightly pink). maybe some  
slight starriness at 6:00-8:00 (~[9:00]) while practicing piano. maybe not.  
probably no effect. no difficulties sleeping - no next day effects.
- 1/31/77    10:30AM    14 mg    a tinge of paraesthesia at [2:20] that was all. (-).

 $\alpha$ -o Dimethyl Serotonin

- May 4 1976 10:00AM ATS 0.1 mg n.e.
- ± May 8 1976 4:25PM ATS 0.2 mg something starry - ~8PM? no. n.e
- May 9 1976 10:10AM ATS 0.4 mg n.e.
- May 19 1976 10:40AM ATS 0.7 mg n.e.
- + June 1 1976 10:15AM ATS 1.0 mg threshold!!! First apparent at 11:15-11:30 a very light unworldliness on through Noelle's seminar in the old clinic bldg (12-2) with a completely spacey afternoon. Still odd at 3:00PM [4:45] - quite bloated, little urination, In PM (10PM) clearly out but a fragile frontal headache - still little urine.
- + June 13 1976 10:40AM ATS 1.3 mg [1:00] - [1:20] (11:40) some stomach cramps, alternating [with] slight lighthead. [3:00] nicely stoned- no questions- drift on through afternoon- water grapes- no profound things- no headache- urine seemed OK. not as much effect as the 1.0 mg dose? This is quite long-lived.
- ± Aug 7 1976 11:15AM ATS 1.3 mg perhaps slightest threshold during afternoon. n.e.
- Aug 25 1976 1:00PM ATS 2.0 mg {2hrs following my 5-OCH<sub>3</sub> DMT study). [2:00] ej + 2,3 after shocks-[2:30] believable something almost like residue from 5-OCH<sub>3</sub> DMT. [3:00 - 4:00] heavy diarrhea, slight effect in sun.
- + Sept 1 1976 11:00AM ATS 2.3 mg to verify threshold away from 5-OCH<sub>3</sub> DMT [0:00] [1:25] -no questions- really turning on [2:30] still no questions. but what is to be seen.
- [3:00] - thorough diarrhea - clearly (mentally) an ASC waiting for some sensory, or perceptual, or conceptual event to be seen.
- [3:30] a little of the DMT yellow. filter.
- [5:30] clearing - in retrospect, I don't know what it was all about - it was as if I was in a state of preparedness (≅ a plate of skrile again) waiting to provide habitation to whatever was to be introduced into it. But there was no inoculum. I didn't contribute my share. Is this why DMT is so many things to so many different people? A good argument for threshold being a better measure of drug potency than full dose. Had a slight fragile (hang-over-like) headache in next AM. Gone by noon.
- +++ Sept 10 1976 10:45AM 3.0 mg Full active dose. [see page 196](#) for details.

Studies continued on p. 252

## Qualitative Description. TMA-2

12mg+1mg = 13mg TMA-2 Sunday May 30, 1976: 11:40 = 0:00 - no EtOH for 5 months.

1:10 Onset of first threshold effects - slight nausea - probably coincidence - but numbing of 4-5th fingers of the left hand (see 1st trips!). But these fingers have been troublesome (Rt hand too) and are often asleep on awaking in mornings.

3:00 Really pleasant, with-nature euphoria. Sat behind lab on steps in the sun how often I have been apprehensive in a drug assay that some emergency or other crisis might occur requiring sane logical action, and would I be able to respond adequately - but I here realize that if a fire, strange person, insect - were to threaten - then, and only then, do I need to consider the situation -so- until then enjoy. I did.

This was in especial contrast to yesterday's study on DMT - perhaps I was so attentive to the possibility of some falling-down-stoned response, that I neglected to be receptive to a true altered state of consciousness - without perceptual change, without pretentious impact, without the LSD impact or the DMT physical aspects.

I am completely convinced I would be able to handle 16 mg by myself and this as a full dose would quite accurately be 20 M.U. (with mescaline at 300 mg base - say 320 mg = exactly 20 M.U.). However, I would not care to pretend to be responding normally to a demanding world.

5:20 Still with it. Tried to elicit visual distortion by going (1st time) into Cost Plus Imports in W. Creek. No such induction. Did a rather bad job of driving however. Had to pretend distractions. To "All the Presidents Men" - with no clear visual distortion. I MUST REMEMBER - an ASC need not have visual disruption as a symptom!.

8:00 Drove to Berkeley Farms for dinner with MW & her mother. Still odd driving which MW commented on (What is the matter with you?). I had forgotten where the place was! Clearly emerging. On into evening without further events except a light sweatyness 10:00 - 12:00. Difficult (mental disturbance) in going to sleep.

This is a clear ASC process - perhaps valuable to describe (display) to a subject what this all is - without some annoying sensory modality demanding attention by misbehaving. Interesting day!!.



N-Me MDA. MDMA.

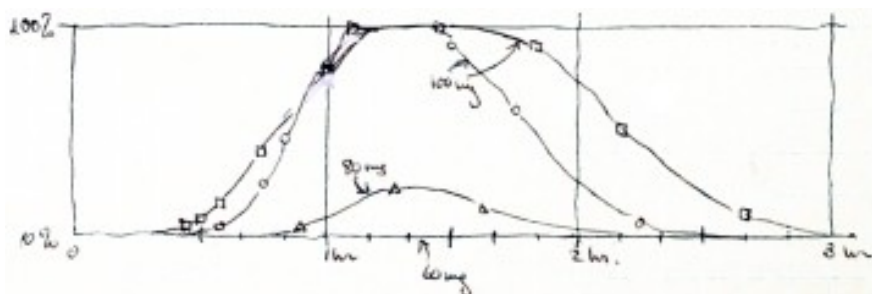
~1975 Andy Soto - reports considerable amphetamine-like content.

✓ (2 other people, not ++ in scale of +4.-one is Gordon.  
 ~5/30/76 100 mg C. Burke (+2) Rapid onset in ~1 hr - lasts to 3  
 then drops off quickly - mydriasis persists to 4 hrs. Emotional experience  
 and basically good reaction by all three. little detail.

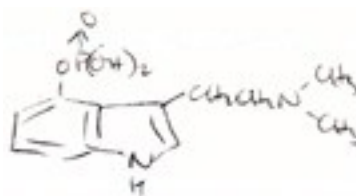
Date/Time	Dose	Notes	Jeremy Marks - m N-Methyls
9/8/76 11:30AM	16mg ATS	n.e.	
9/9/76 7:20PM	25mg ATS	n.e.	TMA-(345) 2,5DMA 245TMA 246TMA MDA 120 JM n.e. 30mg ne 30mg ne 30mg ne? 15mg ne
9/12/76 2:35PM	40mg ATS	n.e.	240 Mark + 120mg ne 30mg ne 45mg ne
9/17/76 12noon	60mg ATS	n.e.	60mg ne 75mg foggy
9/27/76 10:22AM	81 mg ATS	[0:53] smooth shift into light intox. [1:16] distinct-almost early - alcohol-like intox. [1:38] am I past peak - coming down already? Yes! [3:00] out.	100mg active 150mg active Nick B. .75mg - fine control

10:00AM  
 +→ 10/5/76 100 mg ATS [0:35] first awareness - smooth - very nice - I will be attentive to sensory changes (there are none) - looking forward [with] interest. I can and do quickly accommodate to this ASC. [0:45] still developing - but I can easily assimilate it as it comes. Under excellent control. [0:50] getting quite deep - but I am keeping aface. [1:00] well into it - but I am accommodated - piano went well - lots of time to search out correct notes - no mydriasis - no physical tox. [1:30] from 100 -> 80% starting to clear. [1:45] trial erot., ej. time. rapid recovery [2:15] -> 5% I am substantially out. 3:00 all out. I will try 125.

→ 10/23/76 100mg ATS (3:52PM=[0:00]) [0:27] first slight hint [0:30] start [0:35] roll of eyes [with] a bit of extra init. 15% - I might have said "I feel that drink". [0:45] at 40% I don't think I am suffering it - a real 40% (0:49) time slowed? [0:57] largely window (80%) [1:00] a little dilation. [1:03] complete window - complete control nonetheless. [1:12] holding steady [1:25] Easy erotic - no need (ability?) of erection [1:50] dropping? [2:10] down to 50% - sex [with] Mandy (6pm!) extraordinarily pleasant. She turned on too! (this was my return day from Washington) [2:40] a few % left [3:00] out



cont. p 207



Psilocybin.

- 6/3/76 10:27AM ATS 1.5 mg n.e
- ± 6/8/76 11:55AM ATS 3.0 mg clear threshold - noted at [0:30] slight shin tingling - I think there will be visual events at somewhat higher doses - slow drop-off through afternoon - clear by [4:00?]. Proceed with interest.
- ± 8/10/76 11:30AM ATS 4.3 mg 0:30 effects coming on. tingles, yawning. [1:00]-[2:00] very much like being with people - S. Neal at bank - search not Amber - she had gone south again - Stacks of library cold - waste of time (got a lot done) - still aware at [3:00] but all clears up promptly. Proceed with interest.
- ++ 1/14/77 5:10PM Jan 14. Friday 6.6 mg ATS [0:40] 1st awareness - clear window effect. [1:00] eat full dinner - effects develop during the meal! Up to ~20% window. some hints of animal faces in the pork chop bones. No movement. [1:40] nothing flows, but it wouldn't take much effort [2:00] dropping quickly - only the slightest effects left. [2:20] out. [2:40] out. The forth-coming 10mg experiment should be a delight. But allow 1/2 day free for it. I would be completely unable to distinguish this, at 6.6mg, from MDMA at 80mg.
- + 1/20/77 9:45AM Jan 20 10.2 mg Sandoz PSOP, ATS, first flash at [0:27] driving up 5th to club. a little window - not much more until [0:45] - coming on well. [1:00] comfortable in security of club library [1:45] - I can make the world move a little - but I can do that without drugs too. These little effects drift away over next couple of hrs.
- ++ 1/27/77 10:30AM 10 mg Colin effects volunteered at just [0:30] (felt before)- overall  $\cong$  80% of the 300mg mescaline effect. -concurrent [with] my  $^{14}\text{C}$  mescaline #1.
- +++ 4/27/77 9:30AM 15 mg =[0:00] [0:16] 1st notice - "early-warning" system - I stay flat at this first level to about [0:25] - then it builds up [0:27] I am awful glad I have MDMA window knowledge - what is happening here to me, appears to be what others get on MDMA. [0:28] visual distortion - I can't find the cap to the pen - must I keep writing forever? At this point I couldn't drive - I couldn't even write! [0:36] - [0:57] wild development. Furniture in office moves up & down [1:10] Lie down [with] eyes closes - This is where it is. eyes closed -> all wild imaging - still [with] eyes open if there is no visual input. a dark room or a fire in the fireplace in the middle of the night [with] no other input would be dramatic. eyes closed -> <sup>TM</sup>body image in front of fire, and I can synthesize 2x removed a complete hallucination [1:45] try again. already passed the peak. no good. [2:00] to mail - this is a night-time drug - some movement, but daylight washes everything out. Frank got it the proper way. [3:00] pretty much out - muscles OK - timing OK. would I try a new experiment, say [with] LSD - OK but [with] reservations - [4:00] - completely sound. no reservations. I had peaked within the 1st hour - and was definitely on my way down in the 2nd hr. The experiment above, at 1/21/77 - may have been unfair to Colin probably distorted his timing terribly.



## Qualitative effects of TMA-6. (ex page 150)

June 15, 1976 - 16mg TMA-6 -3:00PM 2hrs. P.P. time 0:00 1:30 maybe something.

2:00 still uncertain - something developing?

2:30 color interpretation wild - orange  $\equiv$  origin. Red may be birth (blood, sunrise) - but orange precedes red - nitrostyrenes  $\rightarrow$  <sup>TM</sup>amphetamines, brilliant chemicals in lab. outside world all blues and greens - alive - but already born (and certainly already long -ago conceived) - and the earth browns and such are almost dead already. 3:30 - sit behind lab - most pleasant mental wanderings - into porch [with] cat - lie in mottled sun so that leaf-shadow in wind flinches eyes. eyes-closed generation of light - color patterns weak. 4:30 eat dinner - just fruit salad - but - in it are oranges! (luckily I didn't think of the spanish translation of Naranjo (a) = orange. 5:30 lum and alner - just lightly stoned and wished I had paid more attention to the earlier effects - it is slipping 6:00-7:00 practice (piano) vigorously - pretty much gone. 7:20 still a little teeth-rubby.

TMA-6                      2,4,6 Trimethoryphonylisopropylamine

Clay's notes from  
his file. 1966-67.

11.7mg 10 Feb 66 4:30pm (5mg Ritalin at ~3:00pm - forgot until  
had taken the TMA-6)

5:30-7:30pm (1 to 3 hrs) felt slight distortions of time.

and space, some enhanced emotional affect. No color enhancement.

Threshold only, and maybe have been enhanced by Ritalin.

18.3mg 1 Mar 66 5:00pm

1/2 - 1 hr slight prodromal effects - queasy, uneasy.

3-5 hr Peak of effect. Some perceptual distortion, color  
enhancement. but not much. A little difficulty with balance

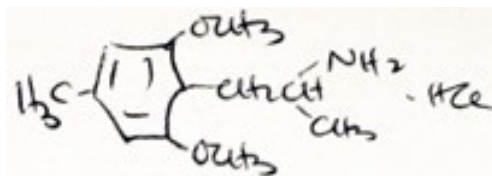
at first when dancing (at dance class), later cleaned and was able exert strenuously, until stopped by absolute breathlessness; when stopped, felt heart pounding (not unusual) and a quite hot flash of sweating (not unusual either, except in degree). Emotional affect seemed to be nil. Abdominal distress at 11:00PM with constipation followed immediately by diarrhea; this could have been due to mushroom chowder made with *Pleurotus ostreatus* (picked wild) for dinner. Able to go to sleep at 12:30PM without barbiturate; some eyes closed imagery at this time looked for only briefly and not found).

67?

26.0mg 31 Jan 66 5:10pm Peak 8-9pm (3-4hrs) Some perceptual distortion. things appeared to move just a little. Color-enhancement strong.

TMA-6 cont.

26.0mg Emotional effect strong. Dance class 8-9:30; initially awkward, balance poor, but as I warmed up had no difficulty. felt very free and expressive. Some lower bowel cramps before and after dance class, none during; felt need to defecate, could not, but release of some gas relieved this sometimes. Dinner at 7:00, when effect were under way, was very hungry and ate well (whereas mescaline suppresses appetite). Went to sleep easily at 12:30pm: From 8 to 11PM had some brilliant but not too well-structured eyes closed images, jewels, lights, silver + gold. Equivalent to 250-300mg mescaline 35µg LSD.



(see page 146 for ML comments)

- 7/6/76 11:35AM ATS 1.1 mg no effect.
- 7/10/76 11:20AM ATS 1.8 mg 1:00 eat lt. lunch 2:20 couple of light headed twinges. n.e.
- 7/14/76 11:00AM ATS 2.0 mg n.e.
- 7/20/76 11:15AM ATS 3.0 mg 1:15 eat 4:00 some odd awareness? - motion in or around Xerox machine? Certainly nothing at 6:00 n.e.
- 8/4/76 1:25PM ATS 4.0 mg 1:05 eyes unfocus? slight if any, curious to go on. by 2:00 nothing. n.e.
- ± 8/15/76 12:00 noon ATS 5.5 mg [3:00 - 4:00] maybe slight muscular irritability, nothing central at all. [5:00] slight teeth rubby, anorexia? 7:00 nothing. I imagined it all. n.e.
- ++or± 8/29/76 11:15AM [0:00] ATS 7.0 mg [0:55] twinge in shins [2:30] more or less continuous threshold (?) speculate what 2x dose would have done! [3:15] sound diarrhea and generalized prodromal signs, paraesthesia, a nice apprehension. [5:00-6:00] things still might crawl! [7:15] I could kid myself that the typewriter keys were crawling. It is now midnight [12:00] and I am unsure that I am yet out of threshold, go up with interest, but prepare for a long day. n.e.? possibly threshold? probably threshold!
- ± 9/6/76 10:30AM [0:00] ATS 8.0 mg [2:15] most gentle of thresholds that's all [4:30] same [8:30] gone.
- ± 9/14/76 10:55AM ATS 10 mg (50:50 didenpero) - maybe light light-headed threshold. nil. n.e.
- + 10/27/76 10:00AM ATS 14 mg [0:00] [1:30] a little spacey. [1:45] to lunch. I am in a threshold. Talk volubly [with] Barrett all afternoon, real threshold to [6:00] able to drive home (photophobia from eye infection) - I can easily go from one train of thought into thin air. I must, to get to another, typically force myself to choose my words. I would have liked to have been alone on the farm. evening french lesson excellent [9:00-12:00]. The threshold lasted from [1:45] to about [8:00]. No trace of MDMA window!! This is an interpretative drug, not an ASC window! I must repeat and compare directly against recent STP, DOET. There might have been unmask effects even at 7mg.
- ± 3/18/73 10 mg 9:33AM [0:00] [2:00] suppressing something? all afternoon - some jaw tight? Only ± at most. In AM at [24:00] still a little pop-eyed! But no trouble sleeping.



29 June 1970

3:30pm 5mg Ariadne

5:30 - felt happy smiling, slight stimulation.

11:30 - Some how felt more spontaneous - did things instead of just thinking about doing it. What I did was me - just somehow more me.  
Others in the family agreed - I was less inhibited, less crabby.

4 days later - It lasted about two days - then back to previous cranky self.

It seemed like a beautiful drug with all the peaceful, calming effects of MDA - but at no time did I ever feel high or stoned.

3 July 70

9:30AM 8 mg Ariadne

12:30PM Strange state - Introspective, hyperemotional when reading or listening to music

1-4pm - 3hr nap

after - Same sort of calmness

4 July - " " " "

5 July - Very depressed (& looking back there seemed to be a depression 2 days after 1st dose

6 " - still depressed

7 " - slightly

8 " - OK?

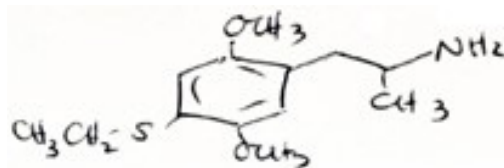
9 " - OK - Today is 1st day I've really felt together and able to work.

9 July -

All in all - very interesting - but I don't think I'd do it again for awhile. along while.

The main effects seemed to last 2 days - a calmness peace. I could handle it all without being upset - no yelling no short temper. The two days are not all quite at the same level - there is a greater stimulation for first 6-10 hrs. All together - Very nice

But - there did seem to be a severe depression esp. after the second dose. I know its very hard to separate out causes - & I am concerned about my work etc - but I do feel the drug greatly intensified the depressed feelings - Their would not have been a true depression without it. Partly it could be that I've taken a fair amount of amphetamine + ritalin - I've noticed the rebound depression (incl. actual pain) from them has gotten worse lately - so maybe it would not be a problem in a more drug-naive



Aleph-2

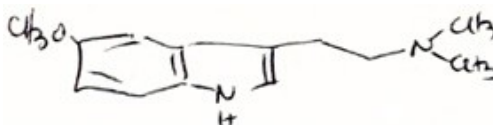
- 8/19/76 11:15AM ATS 0.1 mg no effects.
  - 8/23/76 10:00AM ATS 0.3 mg no effects.
  - 8/28/76 11:00AM ATS 0.6 mg no effects.
  - 9/2/76 11:20AM ATS 1.0 mg no effects.
- ± 9/22/76 4:45PM ATS 1.6 mg at [1:30] maybe effects; at [2:30] there is some sort of threshold (in French class) - not disruptive but believable - to bed although completely silent (at[7:00]) - no sleep but at the time logical self-images for 3 more hours. Some sleep eventually. Next day OK - Next night sound sleep. Threshold?
- + 10/31/76 10AM ATS 2.0 mg - first hints at [1:20] - very subtle - no window - all afternoon lunch [2:00], drive to library at berkeley [3:00] even into recital at club [6:00] an unworldly sun - [with] color effects at the edges. people looked strange - 1st time in months, I am reminded of mescaline. True threshold of a subtle drug.
- + 11/6/76 11:20AM ATS 3.0 mg [0:00]-[1:10] first possible effect - lunch - not too hungry. [2:00] still running threshold [2:20] diarrhea - movement of rug? colors in towel? [4:20] **eash** paresthesia - I am under the interesting cloud of some drug effect, but at a very mind level - Things will happen at the next dose level I am sure.

11/21/76 9:45AM ATS 5.0mg Completely effective level. See page 205

all data now continues on 205

#### Additional data on 5-OCH<sub>3</sub>-DMT

- **3 mg** March 15, 1977 - ATS, Colin, Brent onset within a minute, except for Brent quite a bit longer. Spectrum [with] Colin & ATS similar, and similar to p 195 notes. Brent - eyes - closed experiences of Heimerzheim + calif beach at same time - convincing demonstration of 2 separate levels of existence - After 10 min, second experiment  $\cong$  to 1st. Lingering effect in Brent for ~20 min into restaurant - unwilling to go ahead alone - and no before-dinner drink. No residua.
- <sup>TM</sup> **~10 mg** April 1, 1977 - ATS - as much as possible taken from a 20 mg cigarette-effects before 1 min - max at ~ 2-3 min - drop nearly out but not completely, by 6 min. - Strictly stoning - an ASC with no sensory or interpretive over-tones.
- <sup>TM</sup> **~10 mg** Feb 11, 1978 - ATS consumption of 25mg in three consecutive administrations (from a 25mg Tanacetum Cigarette. Stoned within a min. largely recovered within a couple of more minutes. All the visions < 20 minutes.
- <sup>TM</sup> 1 mg in [PMSO] - left tricep 7/24/78 11:50PM - n.e.

5-OCH<sub>3</sub> DMT.

August 25 1976. Constructed 3 cigarettes - hand rolled on Tanacetum vulgare - one at 10 mg (base) scored at 1 mg units, two at 20 mg base, scored at 5 mg units. Δ under heat lamp to melt base, then tightly rolled. All assays by inhalation.

- ><sup>TM</sup> (1.0 mg) some slight pulse ↑ - otherwise n.e.
- <sup>TM</sup>—> (2.0 mg) 10 seconds following, quite aware. [0:00:25] more aware yet and increasing to [0:02] - uncategorizable intensity of CNS attention - urge to rapid movement. no sense change - no pulse - little eye dilation. [0:02.5] slacken - [0:05] out.
- ><sup>TM</sup> (2.0 mg) absorb [0:00-0:00.5] real at [0:01] - slight shakes - little if any mydriasis. out at [0:03]
- > (3 mg (+2)) absorb [0:00-0:00.5] - on before [0:07] - quite intense at [0:02], slacken by [0:03] - at [0:04] reinforce [with] + 2 mg which is noticeable in another minute. slacken at [0:07] clear the body for an hour before continuing.
- ><sup>TM</sup> (6 mg) absorb [0:00-0:00.5] effects noted before [0:01]  
 [0:01:15] stoned - not really light head, but feels close to the lower parts of the body - close to the ground - knees weak - distinct shakes.  
 [0:02-0:02:30] peak effect. quite intense - not quite the max of DMT at 30 mg and no sensory close-out.
- [0:03] peaked - am sliding back  
 [0:04] quite nauseated - glad I hadn't eaten (4 hrs)  
 [0:05] clearing quickly - not as exactly defined as DMT  
 [0:07] 90% out - fast recovery  
 [0:09] completely clear. perhaps a slight residual mydriasis.

Overall comparison to DMT. more potent (6 mg ≅ 30 mg?)  
 slightly faster (2-2.5min max, out at ~7  
 vs.  
 3 min max, out at ~10min)

← this drug, as largely with DMT is a simple, stoning, drug -  
 with no sensory contribution no intellectual contribution.  
 perhaps desirable for providing a subject the vocabulary  
 of ASC, so that with interesting and constructive drugs, these  
 effects will be familiar, and thus not distractions.



Subjective effects  
of



$\alpha$ -O-DMS.

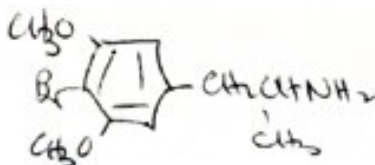
([cross ref p 184](#))

September 10, 1976 10:45AM [0:00] 30mg in water.

- [0:45] warm flushing - nausea - Oh I wish the physical would be done with.
- [1:00] some dilation - I am uncertain if there are some CNS, or just fighting nausea.
- [1:15] active vomiting (mild) relieves nausea - and there are virtually no symptoms.
- [2:00] building into wild ASC (ej excell) eyes closed - roly clouds and strangely interpreted imagery - try eating apple - not sure of stomach stability.
- [2:45] into zombie period - walk is a bit frankensteinish - piano keys unreal - type writer keys unreal - music & text that comes out has little bearing on my intention. The most fun was writing with the power off - no inhibitions - no record - tried a bit [with] power on - this came out.

**what an aliel keyboard - what will it produce?**  
**anilan alina anein alein alean**  
**alian alien wow wowwowwow**

- [3:15] Lions face (on chair) - many things - cheeks become boxing gloves - mouth talks but no words are evident. entertaining - but not profound.
- [3:45] So much mileage from just 3mg of  $\text{CHN}_3\text{O}$ . Obviously it is my own energy pool that has been tapped.
- [3:50] old friend diarrhea again - modest - just symbolic. All through the last 2 hrs - in addition to the interpretive changes, there were mild visual distortion - things tended to flow - not bothersome - but I know I couldn't drive a car. Here was a marvelous chemical gestalt - reasoning from O-hydroxy benzylalcohol Rx [with]  $\text{CN}^- \rightarrow$  benzyl cyanide, why not dehydrate ~~to (11)-at-2-CH=CH-OH~~ then reduction 1,6  $\text{TM}$  p-OH allylbenzyl and 1,8  $\rightarrow$  p-OH propenylbenzene - then - if reduction goes from methoxy group, a compound such as normetanephine would  $\rightarrow$  2-carbon MDA ( $\beta$ -OH reduced off at expense of guaiacol becoming a methylenedioxy. Phoned Barrett he was amused.
- [4:35] Quickly mending
- [5:00] I could drive to Lafayette now without trouble- visually things still move but the physical zombie is not there anymore. I can ignore the crawling.
- [10:00] still some dilation, teeth are rubbery, hypoxia. There is still some body poisoning present.
- [12:00] attempt sleep - not too satisfactory - restless - strange mental interpretations.
- [24:00] (next AM) clear - no residues.  
 This is probably the most potent indolic psychedelic yet uncovered, at least via oral route. Any higher dose require baby-sitting.



9/15/76 10:37AM ATS 0.5mg Jodie thought I was a little hyperactive in afternoon (2-5) and I was certainly a bit manic, & very well entertained. probably no effect.

9/18/76 11:00AM ATS 1.0mg no effects whatsoever. n.e.

9/21/76 10:40AM ATS 1.6mg tingle? [1:40] - n.e

9/25/76 10:45AM ATS 2.2mg funny? [2:30] - n.e

9/29/76 10:00AM ATS 3.0mg [2:30] fleeting light-headed - 5 sec! [3:30] slight power game, thresh? n.e.?

10/3/76 11:00AM ATS 4.0mg all through afternoon, I could believe a shallow threshold - tooth rubby - some intentional paraesthesia even into evening no sleeping problems, prob. n.e.

10/6/76 11:00AM ATS 6.0mg - at most a shallow threshold - no more, Conceivable chemical non-specific tolerance? yesterday 10/5/76 100mg of MDMA - but that was completely repaired at 1:00 in PM, I cannot confirm EH?! n.e.

P.S. attempt sleep at 12:00 - mild difficulty - then restful.

11/2/76 8:50AM 10.0mg ATS [1:20] into some threshold. none of the MDMA-type window [2:30] - I've found it - morphine! [3:00] complete central analgesia- experiment - with sterile needle - pierce skin prick on left arm - little bother except for the needle emergency (skin resistance) - little bleeding. Multiple pin-pricks on skin over thumb abductor - no feeling . Cup of boiling water elicited shock response reflex, but once that was over with, no pain - intellectual awareness of blistering keeps me from silly experiments. I feel lucky that my judgment is OK to keep from getting into self-harm trouble [4:00] perhaps some repair [5:00] still not complete. [10:00] dinner in city [with] Barrett - some tooth rubby - so there are still some physical effects [12:00] burning irritation at the pin-prick area - so feeling is back - Obviously long lasting analgesia. No sleep problems at [15:00].

letter ex EH: Aug 25, 1976

4-Br-3,5-dimethoxyamphetamine  
clearly detectable 1-2 mg  
threshold maybe lower?

4-OPr-3,5-dimethoxyphenethylamine  
11mg oral  $\cong$  17-100mg mescaline  
15mg oral  $\cong$  200mg mescaline  
4-Br-3,5-dimethoxyphenylethylamine

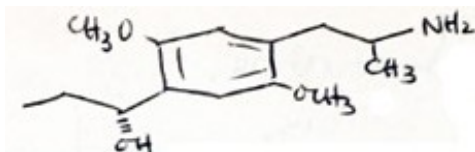
letter EH Sept 17, 1976

4-OPr-3,5-dimethoxyamphetamine  
active at 10mg ?

4-OBu-3,5-dimethoxyamphetamine  
is not active at 10mg ?  
was the phenylethyl weant

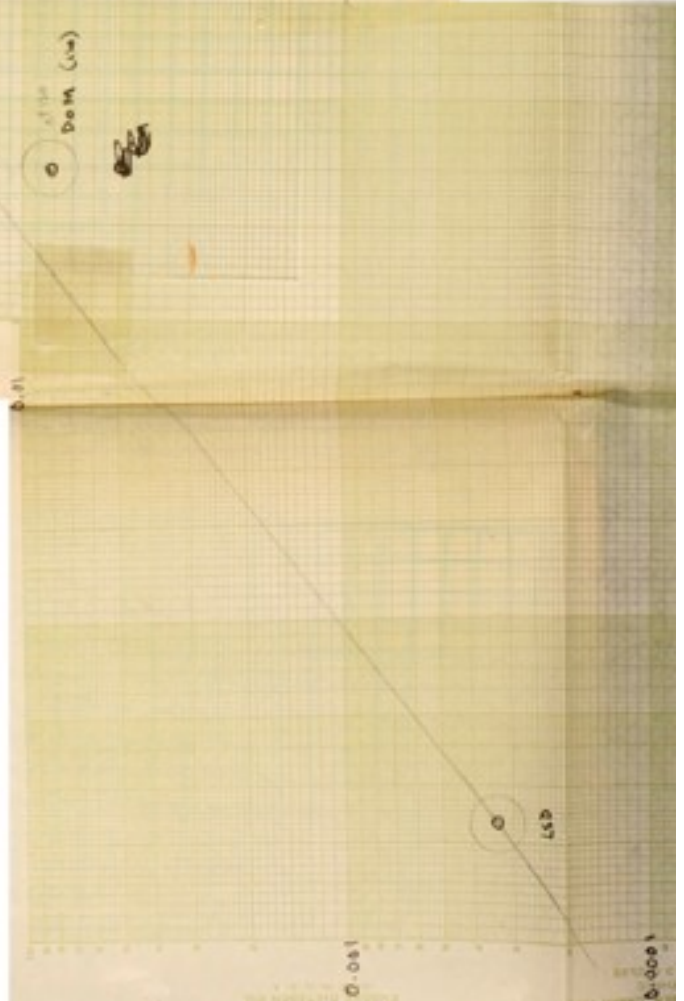
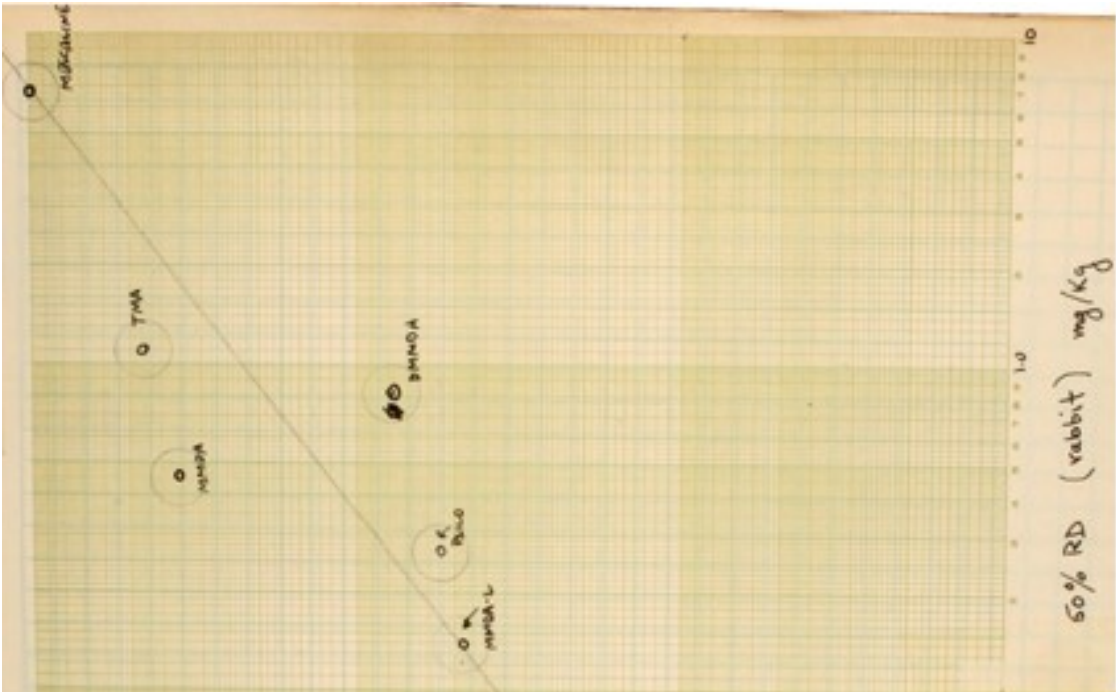
letter EH oct 26, 1976

4-Br-3,5-dimethoxyamphetamine  
3-mg  $\neq$  placebo. at 2hr analgesia  
in extremities - barely perceptible  
sensory effects:  $\cong$  7-8mg paraDOT



hydroxy DOP

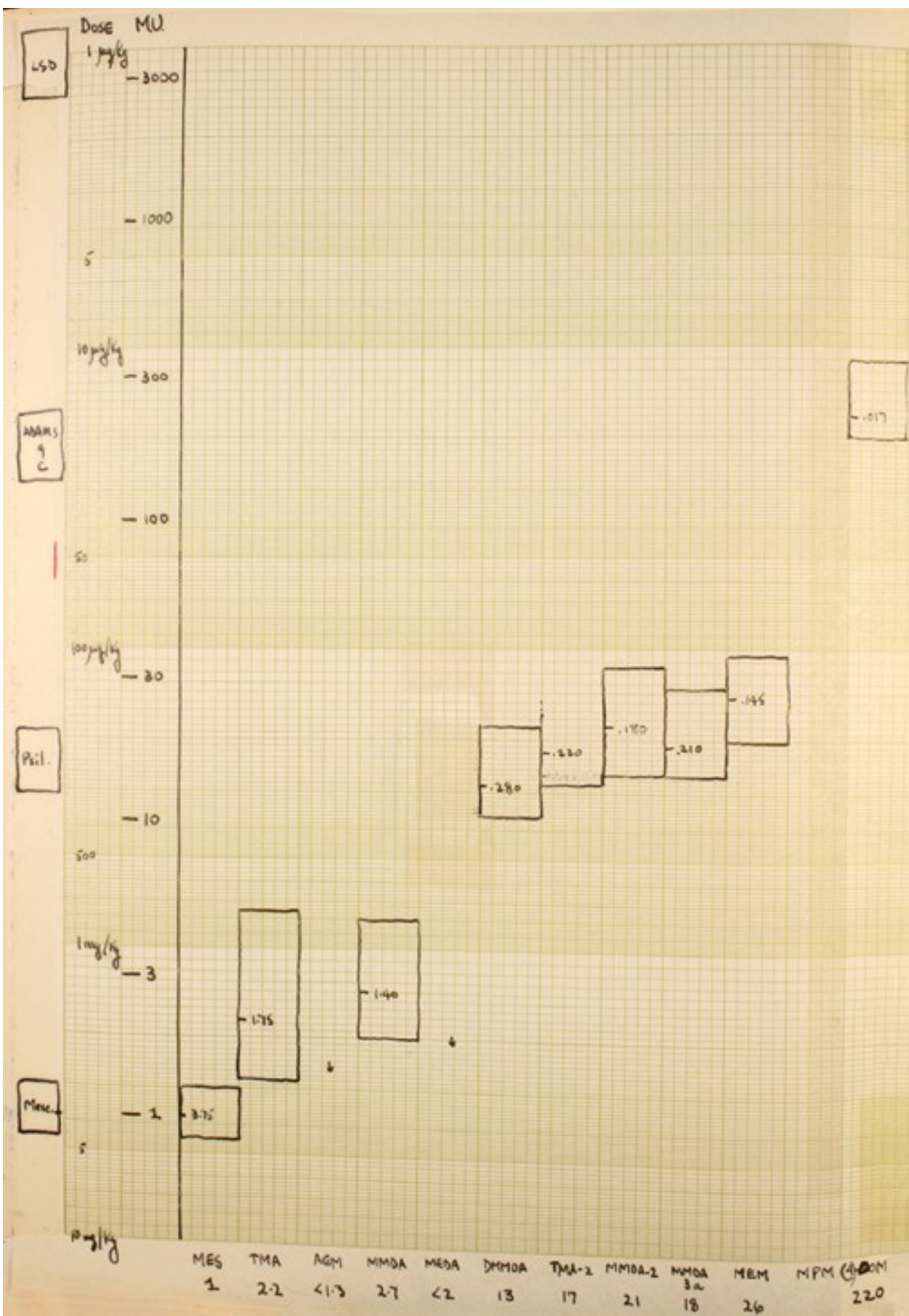
9/19/76	3:50PM	ATS	0.05 mg	n.e.
10/7/76	10:30AM	ATS	0.10 mg	n.e.
12/25/76	10:40AM	ATS	0.20 mg	n.e.



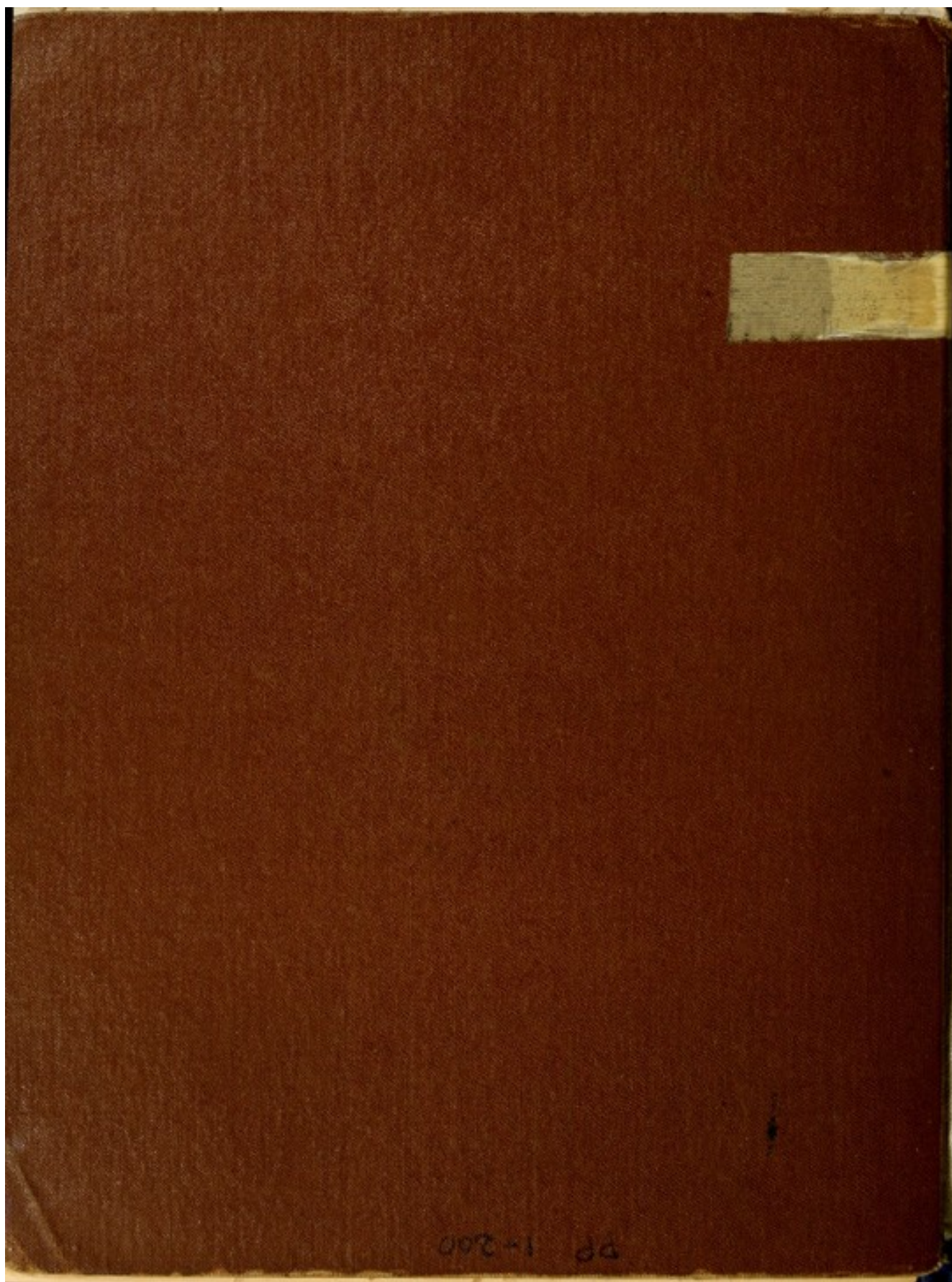
Additional Detail on PARADOT.  
additional trials.

from page 178

- + 10/8/76 9:30AM ATS 7.0 mg much more moderate than 5 mg 7/2/76 - ~[1:30]  
clear effects - "conceptual drive" was completely controlled (thus almost  
undisruptive) and directed towards drifting ideas for the NIDA paper -  
it lasted [1:50] to [2:50]-[3:40] I am under control, could drive a car-  
but the effects are still there. Clear at [5:50] (3PM).
- +++ 10/12/76 10:10AM ATS 10 mg [0:00]
- [1:00] a gentle unworldliness - go to mail
- [1:15] coming up very strongly - and nicely.
- [1:20] slight shakes - otherwise bodily OK - like mesc. in visual, except  
no color.
- [to 1:30] a very rapid shift in frame of reference - I was barely able to  
keep up and consolidate - now OK - can continue to read the mail.
- [1:40] blatto!
- [2:10]-[2:25] eyes closed perceptualizations - illustrated concepts -  
really beautiful - if the last leaf had to go, where should I be  
this evening when everyone else is at the theater.
- [2:30] behind lab - cat (pretty baby) eyes-me to her- concept of  
totalness - the gopher. the apple - through the N O. & K.V.  
review. I am at the max. lets do something with it.
- [3:00] dropping? - no patience to lie back & watch (internal) clouds.
- [3:30] still too stupid to weight Obrien's cocaine spoon.
- [4:00] there is no way Eric H. is going to tell me this wasn't an active  
compound.
- [4:30] last 1/2 hr lots of phone calls - PC, Jodie, Glenn.- things still  
crawl a bit - I cannot physically organize the lab, or cope [with]  
it, but peoplewise I am in good strength.
- [4:35] reintegrating quite well - will be OK for Berkeley, theater,  
dinner tonight.
- [4:50] still not together as of the moment - not integrating very  
quickly.
- [5:10] going fine now - I am bringing the humanness and beauty into it.  
and I am stronger for it. Thank you.
- [6:00] Complete, and none too soon - shower - call Obrien, [with] spoon  
info. to town.







002-1 20